THE YANKEES AND HOW THEY GOT THAT WAY LIVELY, OFFBEAT LIFE IN A GIANT ATOMIC LAB

CLASSIC GUN DRAW IN 'THE BIG COUNTRY'

SEPTEMBER 29, 1958 25 CENTS

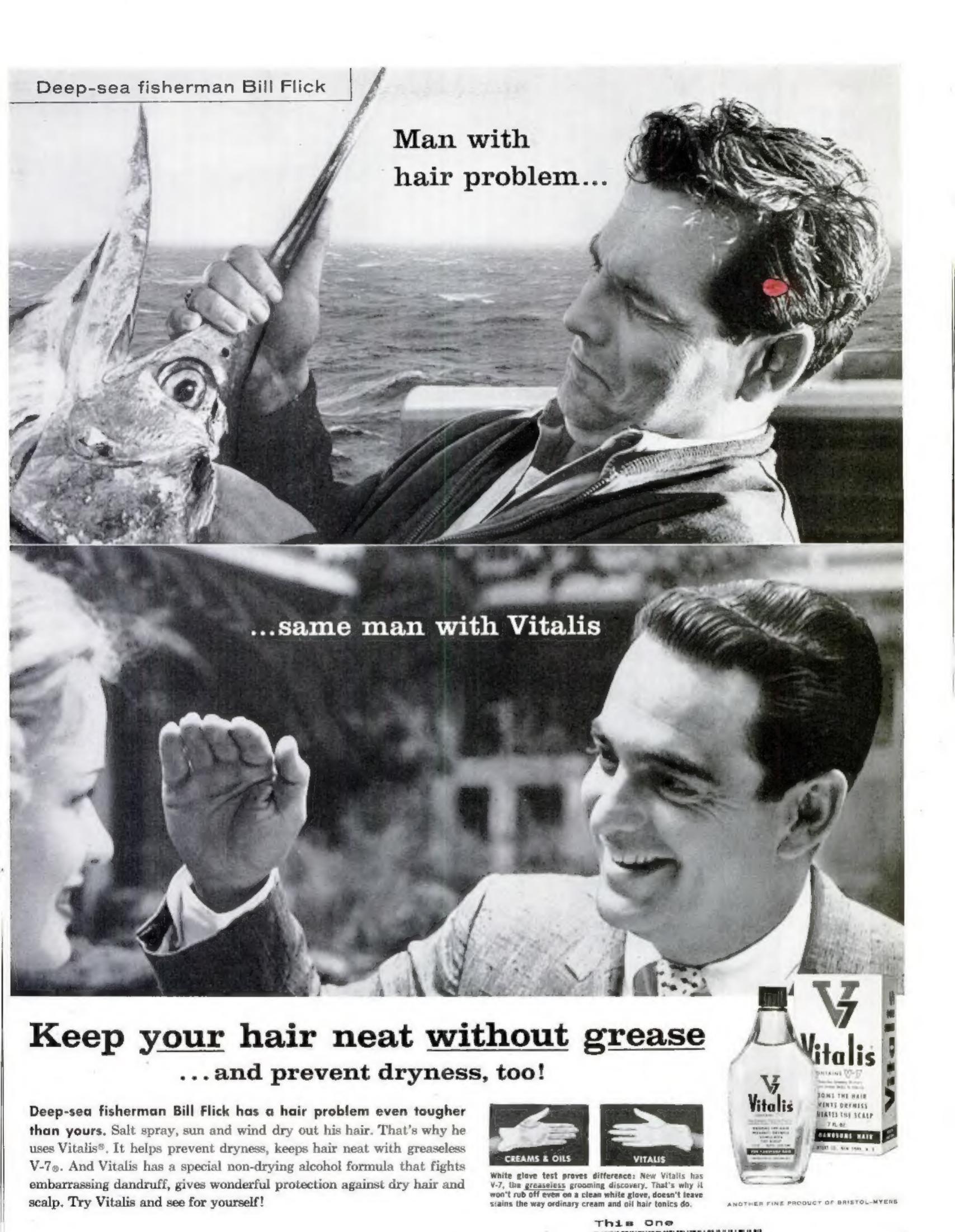


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GUNMATS DRAW

COVER

The traditional, time-honored climax of the western movie is captured by Ernst Haas's photograph of a gun draw taken on the set of The Big Country (see pp. 82-84)

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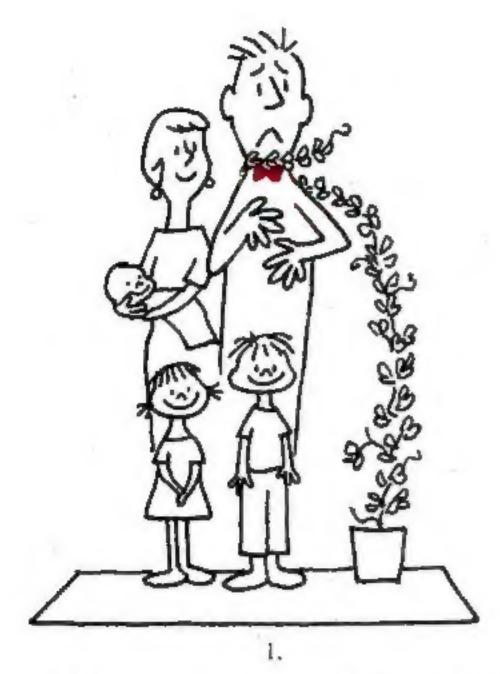
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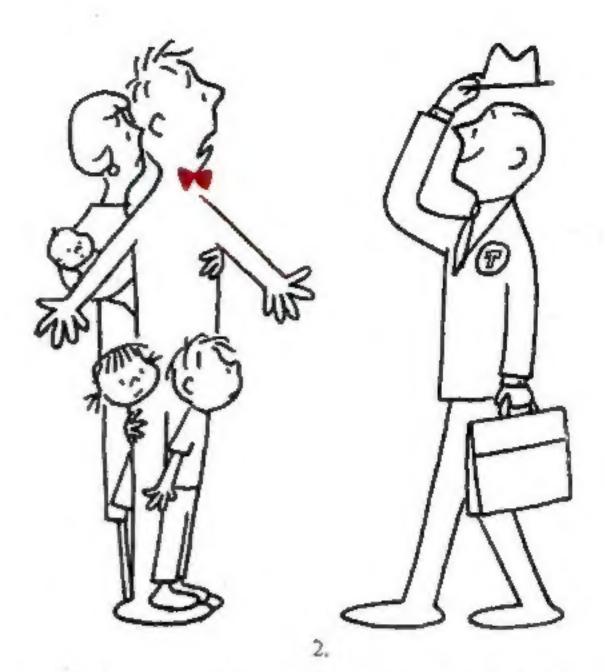


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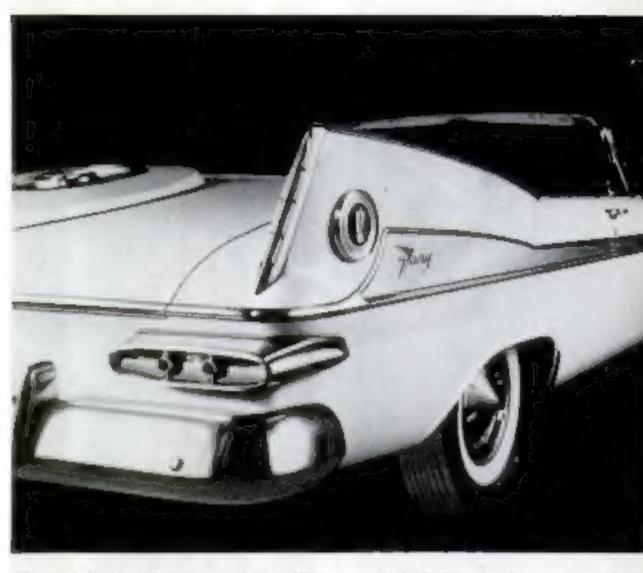
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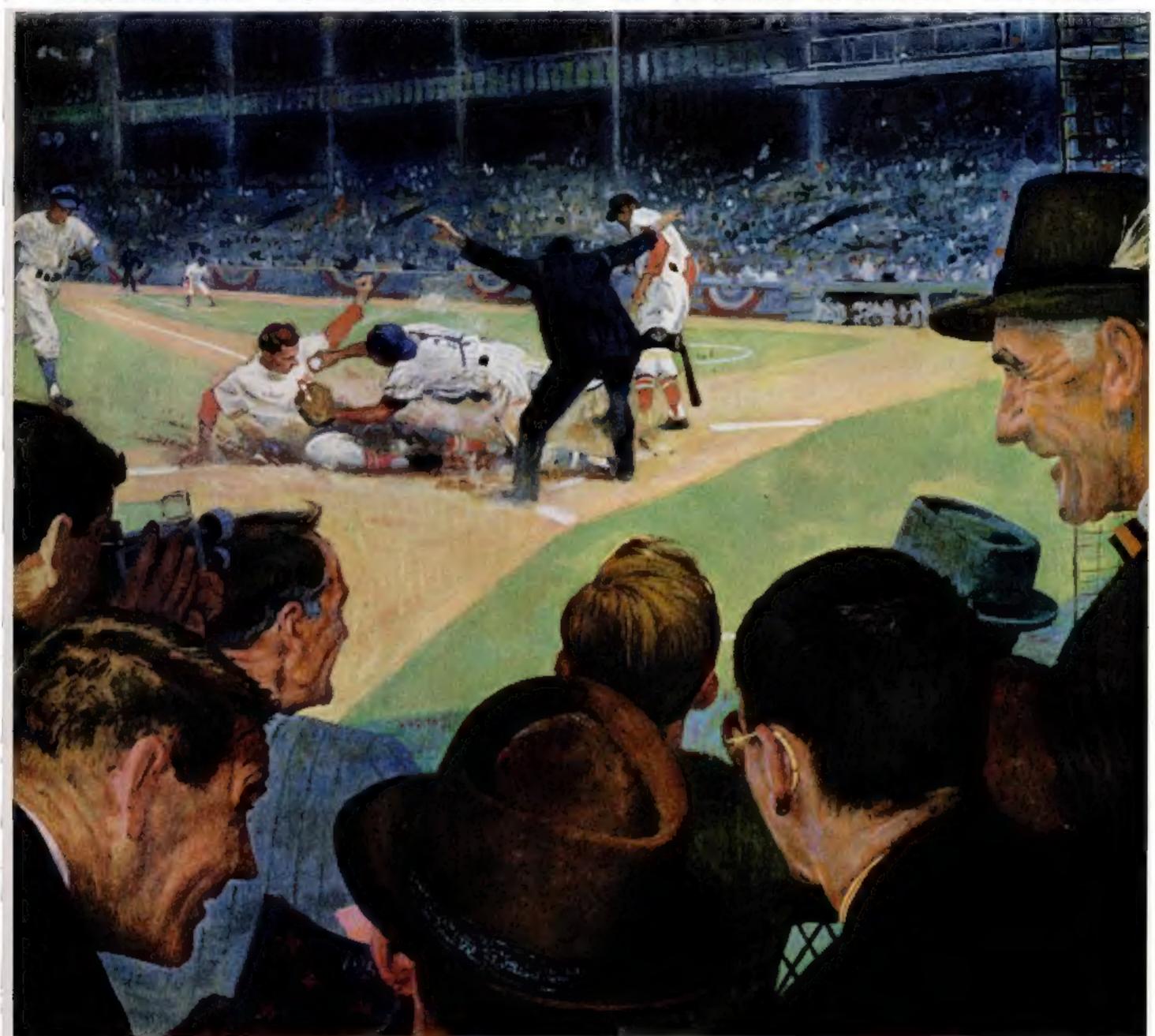
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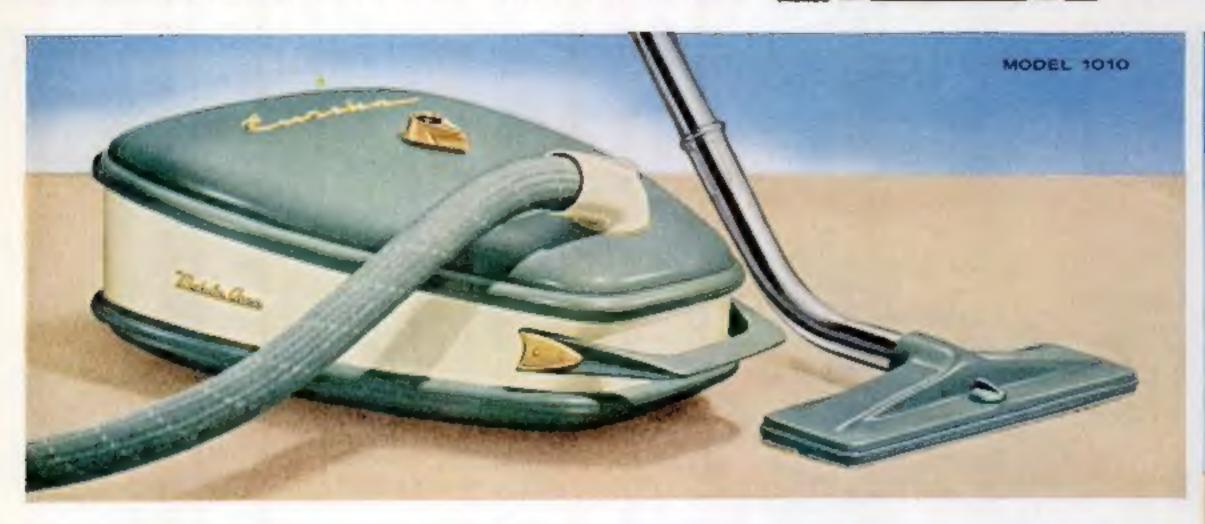
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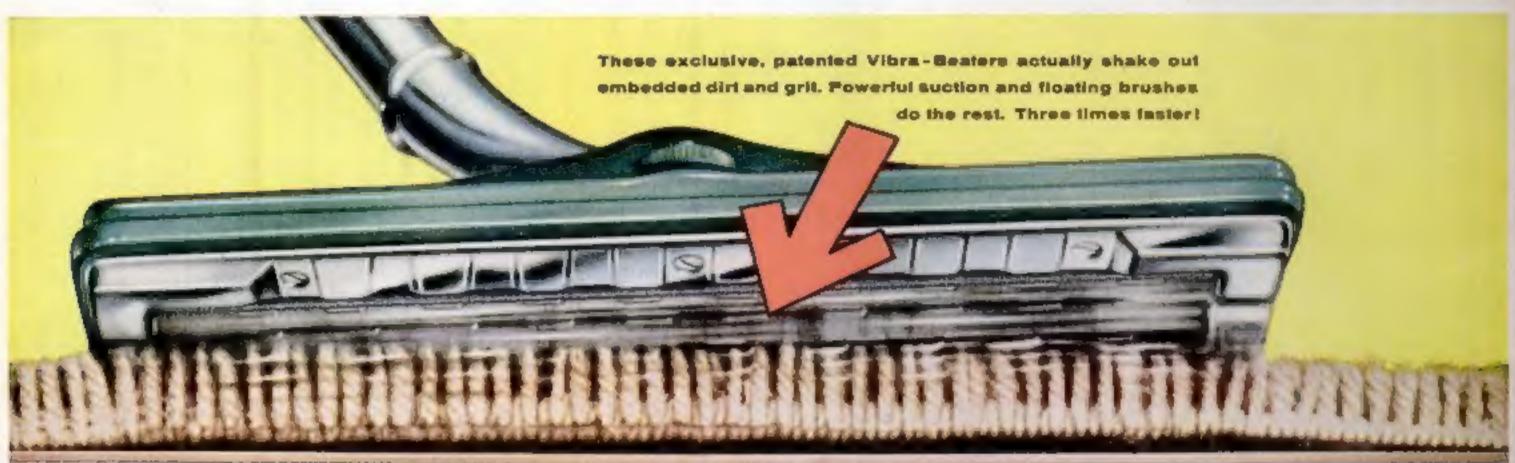


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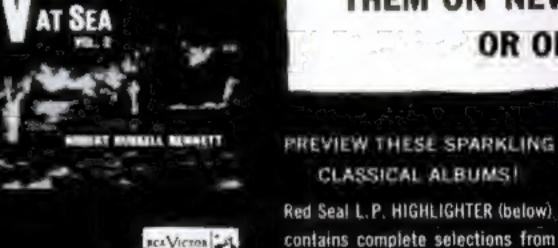




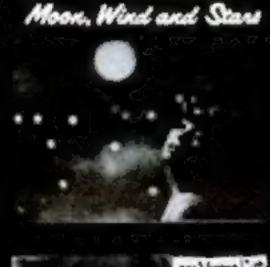












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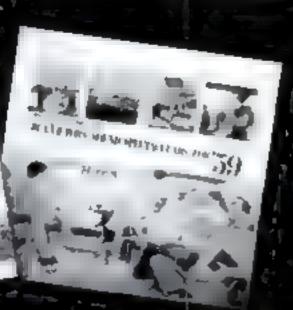
























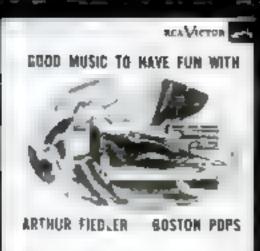




















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WITH THEIR ARMS RAZSED SCHTATICALLY, TWO LINES OF BANCERS MEET BY SWENCY ENHEMBLE



COOL

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IN SPINERY EXTENSION OF ARMS AND LEGS, YOUNG DANCERS WILMA CURLEY AND JOHN JOHN SOMES ENACT THE BALLET'S TENBER "PASHAGE FOR TWO" SHOURNCE

HANDS IN A HOT BEAT

On the stage the dancers move to the jagged beats of modern jazz through a setting of tenement tops and back alleys. But, for all the skillful footwork, it is the performers' hands that give emotional force to the new ballet hit, Jerome Robbins' "New York Export: Opus Jazz." Hands grope for affection, offer friendliness, are flung high in exaltation as the lively numbers spell out the vitality and vexation of youth.

Robbins had seen dancing like this in New York neighborhood centers where the youngsters are "cool" and their dancing intense. He put their improvioutions into a ballet with sets by Ben Shahn. A smash success at Italy's Spoleto and the Brussels Fair, "Export" has opened on Broadway where New Yorkers pack the theater to applaud the excellent art Robbins has made of their home-town's high-tension hoofing.



What you don't know about your lips can hurt you!

Do you know that the skin on your lips is different from the skin on the rest of your face? It's thinner, more sensitive ... more easily irritated.

And do you know why dry, chapped, rough, cracked and sore lips are such a widespread, annoying problem today? It's the life we lead:

fast-moving, tense. We live with steam heat, air-conditioning... swift alternates of heat and cold. We live more outdoors too, where wind, weather and drying sun help to irritate the lips.

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any map

a Magic Circle





1. Load up your camera... then load up the family car for an afternoon of cruising through fall's unbelievable landscapes.



2. Follow King Football. When you get a carful of friends together, it's a fun-filled excursion win or lose.

Take YOUR MAP and draw a line around the spot where you live—circling an area that's within easy driving reach.

Right there, you've got your Magic Circle—full of things to do and places to see. And right now, full of the riotous colors of autumn.



3. Try out that inviting new stretch of turnpike . . . it makes your Magic Circle bigger and more inviting than ever.

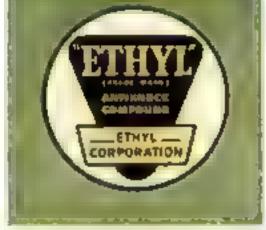


4. Seek out the roudside stands. Most likely you'll find several within easy driving distance, and you can hilly our car with the cream of the fall harvest.

You've got the ear, and your Magic Circle fun starts at the end of your driveway. Matter of fact, if you're missing out on this kind of driving, you aren't enjoying half of what your car offers you.

Just pick up your map and your car keys and see for yourself.





New York 17, N. Y.

May what week of "I be I" an knock a mpoun

Marufacurer of "the F" an knock compound

, und a company core here

tomber the author aux was a produce





SERVE THE COFFEE THAT'S

Fall has a fragrance all its own. Freshly-roasted

A&P Coffee has, too! And when you brew this premium-quality
coffee, the tantalizing aroma gives you full promise
of the vital, rich flavor you'll enjoy in every cup.

For Custom Ground A&P Coffee is truly "Alive with Flavor."
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IT'S SMART TO BE SURE

Only coffee that's ground right tastes right. Too coarse it's weak too fine, it's bitter. Bean-fresh A&P toffee is Custom Ground before your eyes exactly right for your coffeemaker. You know you're getta g your money's worth... and then some!

99th ANNIVERSARY



The next five minutes make all the difference

You're getting dressed. What you put on in the next five minutes can help you get ahead... or hold you back. When you wear the right clothes for whatever you're doing you feel relaxed, confident, sure of yourself. In the wrong clothes you're not giving yourself a fair break... with your boss—or your best girl. Every time you dress, use that important five minutes to give yourself the look of a winner... that "get-ahead" look that pays off in success in everything you do!



Dress Right-when you look your best you do your best!

For help and advice on how to Drace Right, visit stores that desplay the American Institute of Mon's and Boys' Wear symbols

LETTERS TO THE EDITORS

AN EXASPERATING ADMIRAL

Sirs'

Thank you for Robert Wallace's excellent article on Admiral Rickover ("A Deluge of Honors for an Exasperating Admiral," Life, Sept. 8). Let the brass worry about making friends; Rickover is concerned about making progress.

ALICE Z. DAMERON

Kew Gardens, N.Y.

71F57

I thought your highly disparaging article on Rear Admiral Rickover was in extremely bad taste, in an age where intellectual apathy and conformism are croding the strength of America, a great individualist like Rickover should be treated with respect.

NORTON COOPER

SYBIL MOORE

Merion, Pa.

SILER

The compassionate article by Robert Wallace was a cry for tolerance and understanding of a brilliant man.

North Hollywood, Cahf.

TROUBLED CHILDREN

Surs:

Your story on Camp Ramapo Anchorage for sheturbed the dren ("A Moment of Change for the Troubled Child," Life, Sept. 8) provided a closer understanding of the troubled youngster. I hope all juvenile justitutions use the methods demonstrated to channel the emotions of their wards in the right direction.

Віти Міситинвова

Bronx, N.Y.

Steen

I was deeply moved by your sensitive and penetrating at the This example, and the hope and longing of these children to belong, will help others to help others.

HELEN V. ROSEN

Katonah, N 3.

THE ENCHANTED ISLES

Sipsi

I wish to express my sincere appreciation for "The Enchanted Isles" (Live, Sept. 8) to the author, Lincoln Barnett, for his vivid approach to the subject, and to Rudell Freund and A Irea Forenshiedt, whose paintings and plotographs enriched the magnificent article.

JAMES D NIGRELLI

Hases Corners, Wis.

Sirs

As a high school biology teacher I would like to thank you for the crystal clear explanation of Darwin's use of the scientific method in formulating his theory. Our schools must stress how a theory is developed as well as knowledge of the theory itself if we are to produce true scientific minds.

VIRGINIA SCULLY

Ontario NA

LIFE 540 N. Mich gan Avenue, Chicago 11, Illinois



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L 3439

Succe

Having been a member of an Air Force detachment in the Galápagos in the postwar period, I have been awaiting impatiently your long-heralded account.

You will be interested to learn that adaptation to environment still continues there. Our island of Baltra had been occupied by thousands of troops. In my day when we visited the less frequented islands, we found the marine iguanas as Darwin described them, exceedingly shy of the water. But on the shores of Baltra the herd would plunge into the sea at the approach of man. Apparently they had learned to take their chances with the sharks rather than with Homo sapiens.

WARREN R. TEPPER

Salt Lake City, Ltah.

BRIGITTE'S HEART

2016

How can we teachers use Life as supplementary study material when you publish the bare facts of Bardot's romance ("Zing Go the Strings of Brighte's Heart," Life, Sept. 8) in the same usue with the valuable educational information about the Galápagos lalands? What student will concentrate on the "Wonders of Nature" on the Enchanted Isles when these wonders are preceded by what Nature endowed Bardot with?

MILLIONED B. STATES

Paterson, N.L.

Stre.

I look to your magazine for information concerning the world and its inhabitants. There is one inhabitant I could do without and it is Brigitte Bardot.

MARGARET TATHAM

Bedford, Ohio

Site

No one can deny that Brigitte is a beautiful girl. She has dreamy eyes, a perfect complexion and a wonderful figure. But does the girl ever comb her hair?

SHURLEY LOVELESS

Dayton, Ohio

WHOLE COUNTRY HOOPS IT UP

Sirs.

A Miss Blanche Walker visited Filene's store in Boston on the day your issue with the Hula-Hoop story in it has the stands ("Whole Country Hoops It up in New traze. Life Sept. 8). She had just returned from three months on Pitchen Is-

land and the purpose of her visit was to do some shopping for the islanders.

She was fascinated by your story but and, "For once, America is behind the times." She produced this snapshot (right) of 6-year-old Olive Brown, the daughter of Len and Thelms Christian Brown of two old Pitcairn families



The Hula-Hoop appears to have done a thorough job of island hopping on its way from Australia to this country.

STACY HOLMES

Buston, Mass.

Piles.

This is to announce the crowning of a new champion—Kathy, Queen of the Hoops, with a score of 4,810.

Grant Huson

Chicago, III.

Stre.

My 10-year-old sister endured 6.100 spins around her middle

Patricia Anne May

Hkins Park, Pa

The last one going one hour and 11 minutes (8,100 times). I had to stop for dinner.

MARY JO KNAUP

Webster Graves, Mo.

palle.

state

We have just concluded a Hula-Hoop contest at the Woodmar Shopping Center. There were almost 700 children for the event which started at 10 a.m. last Saturday. Our entrants exhibited endurance greater than that of the judges and spectators. As the sun began

drifting into the west the judges had no choice but to award 48 first prizes to 48 youngsters. Each achieved more than 12,000 revolutions and all said they could continue for hours if mam brought more sandwiches.

JACK FESKO

Hantmond, Ind.

P115

Thanks for this idea.

BERT WHITMAN

Stockton Record Stockton, Calif.



AT LAST! TIME OUT! SOMETHING IMPORTANT!

EDITORIAL

Size

I read your editorial "School Confusion vs. the Law" (1995. Sept. 8). No confusion here! They are plain facts. Our southern citizens might read instead of histening to lanatics and their selfish souls. The law is law and no one has a right to break it. If adults can flaunt the law, how can we expect our youngsters to respect it?

Mis J. Kozlowski

Grand Rapids, Mich.

Since

I had hoped that you would begin to get this integration fuse a little straighter to your mind. I don't know what you think you are accomplishing, but I would are to tell you what you ready are doing. You are threatening my children with lower standards of education, you are causing a moral breakdown in communities where integration is practiced and you are causing bitterness toward the federal government among Southerners.

LUCIEN ASHABAM JR.

Enfanla, Ala.

HISTORIC SUPREME COURT SESSION

hares

My humble judgment requires me to compliment the people of Nashville, Tenn. on their wise approach to school integration ("Historic Supreme Court Session," Like, Sept. 8).

STANCEY NOVITSKY

Kingston, Pa

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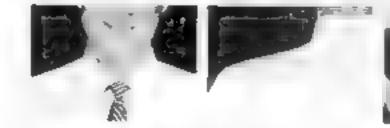
broadcloth with a smooth, luxury feel. You can wash these shirts by hand, by machine, or send them to the laundry. "Sanforized" labeled for lasting fit.

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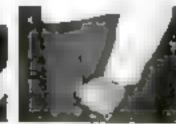
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Men prefer Arrow 5-to-1 because of perfect collar fit, shoulder line contour, Mitoga tailoring to

conform with natural body lines, tapered sleeves, anchored buttons, and "Sanforized" fabrics.





A portion of the Atlantic Ocean off Newport R I last week was a pigested by one of the orgest peacetime flotillas in history if he boats, lured by an spectrolical the hist America's Lup defense in 21 years that gathered from both sides of the Adamtic and as far west as logas flying every kind. I largee. The owners were smooth decked out in vachting caps, their wives in fur wraps and sneakers, Guests support happay at Trinks.

The spectator fleet, some 2 000 touts strong, surrounded and overshadowed the two contestants alcalong the course. Here, at the half point of the first race. Amoretea's defender, Columbia (right above) that rounded the marker while Britain's untertouchallenger. So pire, was sall sading the opposite way Back and forth on a course parabeling that up the racers, hart or tugs and tiny manahouts rubbed ganwaies with palatial yael is and luxury laiers. Sprinkly Lamong then were British, American and

Canadan warships in halos, a destrever with President I becomewor on hoard. When the are become close, as it did briefly in the according, the labberrark (he treated by stepping up its pace. Bi, vactor and outhoard jalopies borar of harder and higher one as hother's wike, putting paint jobs and tempers in popardy. When the one side train was over, with Colombia winning by almost easit minimites. The combared hours and sirens of the entire flect sounded an ear-shall cring to the all solutions.

Besides wanting to be a witness to vachting's most hallowed competition, most of the visitors were bent on a silt water jamborer. The fundbegar the night before on boats and fored off Newport and in nearby harbors. On shore the fin was note selft, and for a time Newport almost recaptained the slegger of the traget it knew in old Cup Race days when the city was the summer capital of high society and suling was primarily a rich man's sport.

AMERICA'S CUP CONTINUED

REVELRY BY NIGHT THEN THEY'RE OFF



phens who designed for more acceptable to



BENG SPECE SEES AT V Specific Bet Cons.



race three enthe source and protection of the pr

FORMAL BANQUET for noted grasts to be trand-







hin I found Super strata Mainter some

for D kers newto be sign as the re-



PRESIDENTIAL SEND-OFF is given the contest ants by Fisenhower and the first lady from a 1-5.

Navy destroyer. The Commander in Chief of the armed forces is describing positions of in boats.

THE SPECTATORS VIE FOR ATTENTION



VETERAN CUP GOER, Allan H. Pane, 81 studies the rare from stern of a cubin criuser with nephew

Sam Pirie. He saw Ligitarit beat Britain's Falkyrie II in 1893, was seen all An erica's Cup races since then.



BOOST FOR BRITISH is given by crew of an auxiliary sloop which displayed banner even though

Sceptre bad tallen far behind. Many speciators in huge Beet were pulling for the underdog British boat.

DARING VIEWERS, two garls perched on spread

ers of the mosor sailer A underer watch the race.



PRIME MOVERS in maneuver included Nixon and Senator Schoeppel of G.O.P. campaign committee



HIS FATE SEALED, though he did not know it. Adams left Winte House for vacation in Canada



RELUCTANT HATCHET MAN, Alcorn (at right) met California Committeeman Shattuck in Chicago

HOW THE PROS SHOT SHERM

Step-by-step story reveals party forced President to

by JOHN L. STEELE

Chief, TIME-LIFE Washington Bureau

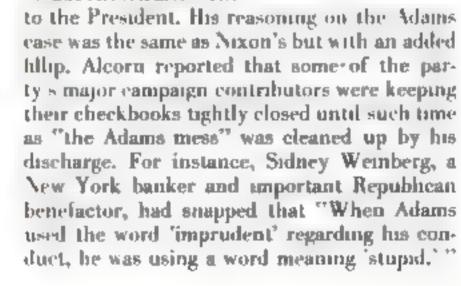
After three months of turmoil, soul searching and bitter argument within the Administration and the Republican party, Assistant to the President Sherman Adams last week got the word that he had to go. He got it not from his loss, Dwight D. Eisenhower, but from Meade Alcorn Jr., chairman of the Republican National Committee, But the decision, made on Aug. 28, was the President's. It was, the President said privately, "the hardest, most burtful decision" he had made since taking office, and he handed Alcorn "the dirtiest job I could give you," that of telling Adams he was through.

The events leading up to Alcorn's talk with Adams constitute a remarkable record of political struggle. It is now possible to report the details of that struggle. On one side the President, backed up by his nonelective cabinet and by a White House staff deeply loyal to Adams, was trying to save his most helpful assistant. On the other side, Republican candidates and party officials responsible for raising money were trying to get rid of the man who, because of his "imprudent" relationship with Bernard Goldhine, had become a terrible burden in an election year. No Republican wanted to campaign under the shadow of questionable behavior in such a high place.

The demand for Adams' dismissal had begun with the first disclosures of the Goldline case before a House subcommittee on June 10. But it was on Aug. 20 that the critical drama began, with Vice President Richard Nixon explaining to the President why he thought Adams must go. As Nixon put it, virtually every one of the 36 Republicans hoping to hold or gain Senate seats, as well as most Republicans running for the House, insisted that Adams had to be out before election day—and the sooner the better. Even more, Nixon said almost every Republican running for office this fall was ready to repudiate the President's June 18 public decision to keep Adams on the

President that he was completely sympathetic to Essenhower's personal feelings on the subject and his "need" to keep Adams in office But he repeated that the President's determination to keep his assistant could not be sustained without serious damage to the party.

About the same time Meade Alcorn also went



The President wavered before these hard facts. He ordered Alcorn to make a special secret survey of Republican sentiment

On Aug. 26 and 27, at a meeting of the Republican National Committee and Funa. Committee in Chicago's Sheraton-Blackston Hotel, Alcorn conducted his survey. In the pick in the closed-dominettings, in the late-at-night talks with rain responsible to cash give the party's more all corn asked for questions. The answers with animous, Sharet in Sharet simple includes an ly, the word was that Sharet mass 20.

Meanwhile, party pressure was notest up Only through the langest peach of a salar conscientions And and and Contact Report sentative Richard M. Simpson of Pennsylva. ma from publicly demanding Adams' bead at the Chicago in set ig this thought a meter. pleas was he all may of the it is New York Regardhean financial cucle 1 13 for Adams' resignation. And despite | | \ corn's efforts to win an orderly, private seetion, the clamor rose from powers a vers Senator William Knowlan I Telegree ed u 🔩 storma, Charles Potter fighting to 1 - Sea seat in Michigan, Kenneth Keaturg, J. R. publican senstorial nominee in New York openly demanded Adams' ouste-

On Aug. 28 Alcoro went to the White House to report his findings to the President. At this meeting Adams' doors was sealed. Emotionally and with the greatest reluctance, the President agreed that Adams could no longer be retained but he would not fire Adams himself. "You vegot to handle it," the President said to Accorn. "It's your job.

What the President apparently meant is that since all the pressure for Adams' removal had come from protes to a protest and pr

Air F - Sc - irv Harold I dhott had to be fired in 1945. First less at 11 m le let complessant tass - Scerman A lans.

pleasant task - Sierman Alams Before Vol 1 onld no state of a delay book for by a protect hope late. proved futile. Manye Service Frederick Payme who was also ite acticla violations to see grew almos, hysterical in felej hone conversation with the White House and the National Committee Tallis Southern Clayle was roni ii - la bind his Democratic opponent. Governor Ed Muskie. If Adams left before the Vicor election. Payne was sure to lose, for he had a l mitted that, among other favors, he had received a \$3,500, interest-free, unrepaid lost from Goldfine. But if A lams stayed until the Sept. 8 election, Payne just might hold his scat Adams' discharge was therefore a cool v ams himself still did not know that a decision had been reached, that he was 20-4 ms or .

On Sept. 6, two days before the Man of the tion. Adams and his loval, charming wife Richel stowed their fishing gear in their 1955 Oldsmobile station wagon and set the trace mote Canadian woods of New Bourseask Deputs Presidential Assistant Jerry Persons at 1 his wit





ADAMS DOWN

drop most needed aide

Alice. The two couples were hoping for privacy, rest and good salmon fishing on the Miramichi River, but the trip was not a success. The weather was often rainy and the river was

running too high for good fishing,

On Sept. 9 the returns from Maine showed a Republican debacle. Not only was Payne defeated, but Maine also elected a Democratic governor and two Democratic congressmen. Before Alcorn could reach his desk that morning, Senators Ed Thye of Minnesota and Arthur Watkins of Utah, both hard pressed to hold

their offices, had telephoned to insist that the time had come for Adams to go.

The following day, Sept. 10, Alcorn acted. He telephoned Adams' secretary, Mary Burns, and said it was necessary for the presidential assistant to return at once to Washington. Miss Burns reached Adams through a storekeeper named Sullivan, owner of the only tele-



REP. SIMPSON

phone within a half mile of the vacation camp. Adams knew there could be only one reason for him to be called back. At 4 s.m. on Thursday, Sept. 11, he and Rachel started the long trip to Washington.

By 8 a.m. on Monday morning, Sept. 15, Snerman Adams was at his desk. His first caller was Meade Alcorn. It was one of the most difficult moments of Alcorn's life. He had been a staunch defender of Adams' integrity, a close friend and a fellow Dartmouth man. As Alcorn talked, Adams sat impassively, head thrown back, staring at the ceiling, nibbling on a stem of his glasses. For an hour, gently but clearly, Alcorn told his friend how the President had decreed that Adams must go and had ordered Alcorn to tell him so. Adams took the news without any visible emotion. He was quiet and polite. It was a conversation between two gentlemen who also happened to be good friends. It was, nevertheless, a tragic conversation.

After this talk, several days were spent drafting, redrafting and editing the statement to be issued on Adams' retirement. It was worked over by half a dozen people, including the President, Press Secretary Jim Hagerty and Adams himself. At times it appeared that Adams wanted his leave-taking to be presented to the public not as a voluntary resignation but as the discharge it actually was. He seemed to prefer that it be made clear to everyone that he was leaving because Eisenhower wanted it that way.

Whatever the final wording, the decision remained the same: it was, in effect, a discharge. If Adams stayed, the House and Senate Republican campaign chairmen, Richard M. Simpson and Andrew F. Schoeppel, were prepared to serve a public ultimatum on the President. This ultimatum would have signaled open warfare between the President, his Cabinet, his staff and the party professionals. Even Sherman Adams was not needed that much.



WINDING UP WORK, Adams cleared ap the corresoon lence on his White House desk during one of

the last days on of Aprit res. Adams in his office. was a rare event seldor permitted it is seer days.



BETWEEN 'OUI' AND THE WAR

As all France votes on charter Algerians face a tough choice



POLITICKING PARATROOPER, making his first public speech, holds sample ballot for a vest vote



PRESENCE AT RALLY COULD MEAN DANGER FOR THEM SINCE THEIR TOWN OF MENERVILLE ADJOINS REBEL TERRITORY IN NEARBY MOUNTAINS OF KABYLIA

As France and her overseas empire came to the eve of referendum on Premier Charles de Gaulfe's new constitution, the issues involved in oid or non seemed as diverse as the vasily scattered peoples (81 million in all) to whom it was presented. In France itself, where efforts to organize opposition had faded, the question was whether to grant De Gaulle—and possibly less trustworthy successors—greatly increased executive authority. To most of France's African possessions there was another choice, can fully stated by De Gaulle; stay in the French community with freedom as a future "right" or go it alone without French economic aid.

The choice was not nearly so simple in Algeria where an army revolt lists a egologic red De Gaulle's rise to power. Although De Gaulle had not a unitted houself, the country's 1.2 million Europeans hoped a state regime would crush the 4-year-old F.L.N. rebellion and also buttress their preferred economic position. But the campaign really focused on the country's nine nullion confused Moslems, also sick of the wor. In a

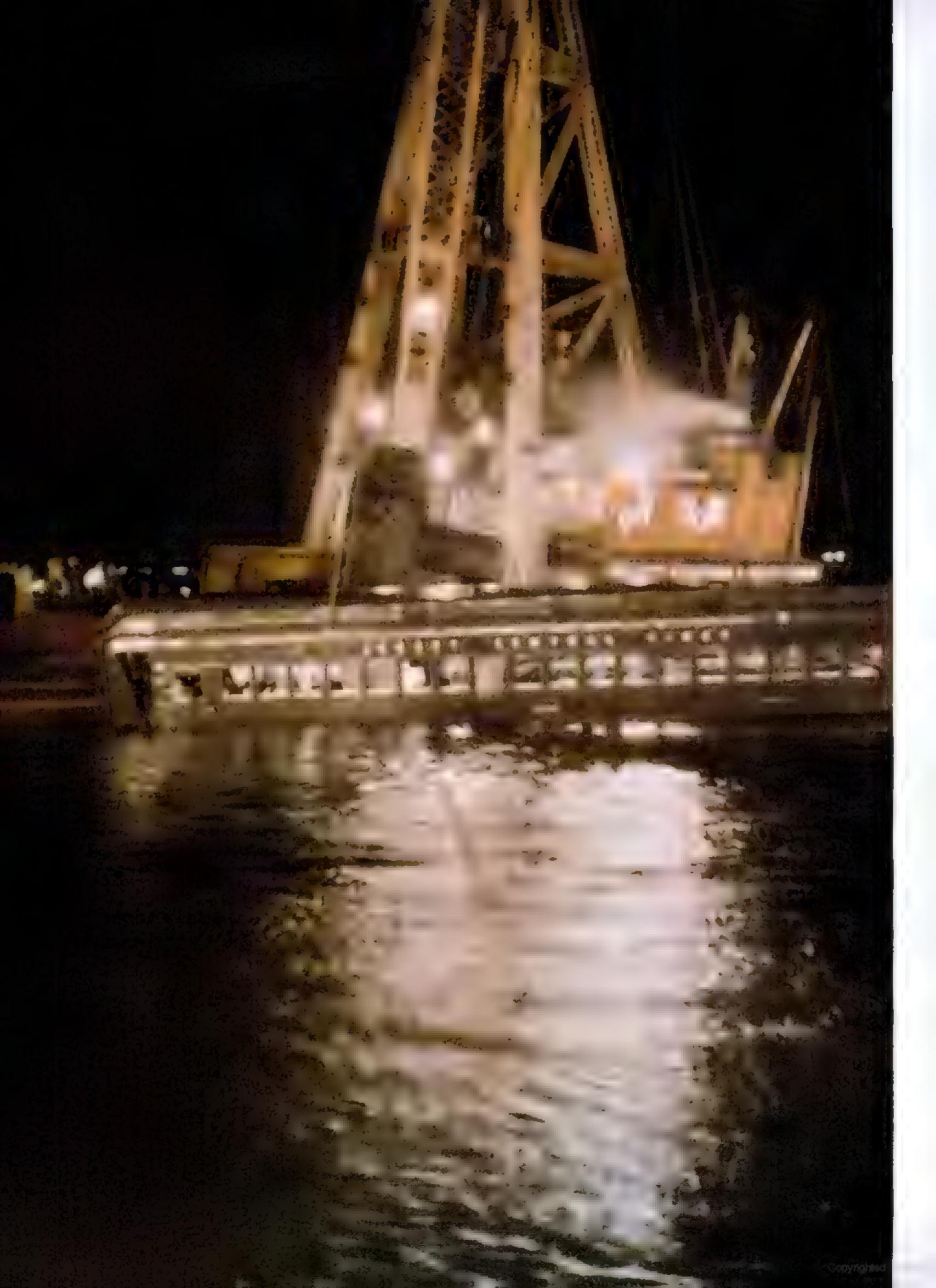
were simultaneously menaced by terrorists, exhorted to vote our hy army officers who divided their time between fighting and campaigning and wooed from Cairo where the F.L.N. high command—with the needlesome Nasser's approval—now claimed status as a government in exile-

"Few Moslems have read the 92-article constitution," cabled LIFE Correspondent Will Lang, "and fewer still can understand it. I reed to approve a charter which does not mention Algeria. Moslems are being told that a oid vote is a vote for peace and prosperity whereas a non-vote can only mean a bitter war to the finish. Meanwhile the opposition rides through the mountains with bands of fellaghus. The fellaghus are pressuring Mislems, by threats, kidnapings and, it is said, summary executions, to bovcott the referendum. Thus the key to the referendum has with millions of quiet, fearful Moslems who are asked to decide their facture by voting on issues which do not appear on the hallot. In essence the constitutional vote has been shaped into a vote of confidence in France."



GENERAL'S WIFE -her hest me Pararrop General Jappes Massa her har springs insurrection -addresses to 1.1 Master, women an town near American

Moslem women, voting for first time, will have separate polling stations staffed by women so that need not reveal faces to men when they identify themselves





ON DISASTER ROUTE, train that fell into Newark Bay ran through two caution lights (top right, left center). Engineer waved to man in tower (center)



FINAL STOP LIGHT, which the train also passed, was 577 feet short of Elizabeth port-Bayonne bridge section which was raised to let a dredge through



DERAILING DEVICE threw train from tracks but speeding train bumped 490 feet over the ties and off the bridge. The two last coaches staved on bridge.

A TRAIN'S FATAL ROUTE AND GRIM WRECKAGE

Jersey commuter cars plunge off open drawbridge and 47 drown

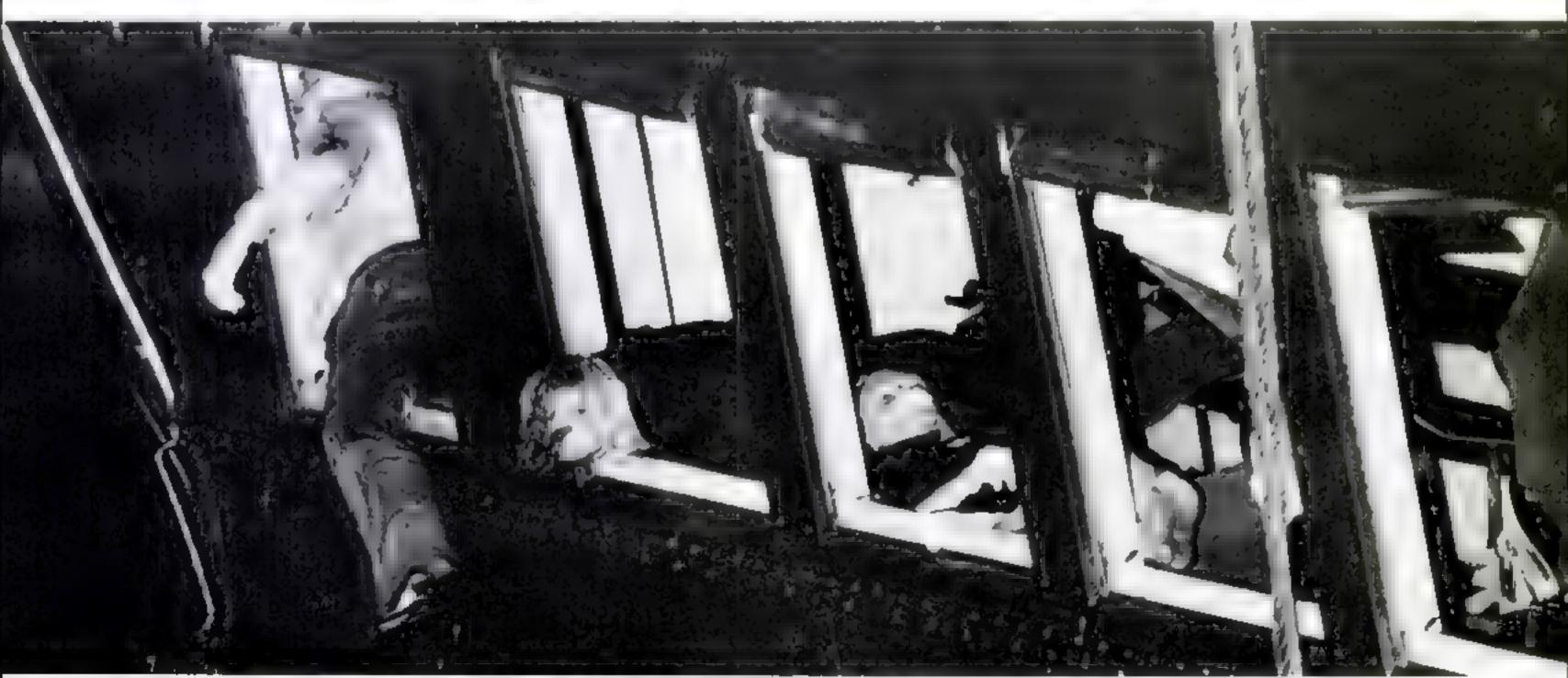
Working by night and by day, salvagers last week pulled from Newark Bay the corpse-filled cars of a wrecked commuter train. With its engineer apparently disabled by a heart attack, the Jersey Central's 8:28 out of Bay Head had raced over the route above and plunged off an open drawbridge to the bay 40 feet below.

The engines and three of five coaches went over. The first coach was empty. The two behind were marked with frantic struggles of the passengers to escape—windows broken, bodies half out. Some got out of the second coach (below) but 13 drowned in it. The third coach hung from the bridge, partly submerged, "I was in water to my waist," said one survivor. "I chinned myself on the luggage rack. I went up hand over hand, from seat to seat, working myself to the rear." Including engineer and fireman, at least 47 died in the wreck.

The exact cause of the disaster remained a mystery. After it had been detailed by an automatic device on the track, the train had continued on along the ties. Investigators found that the brakes had been put on only 25 feet from the brink—a tragically belated action undertaken by either the engineer or the breman.



ENGINEER LLOYD WILBURN

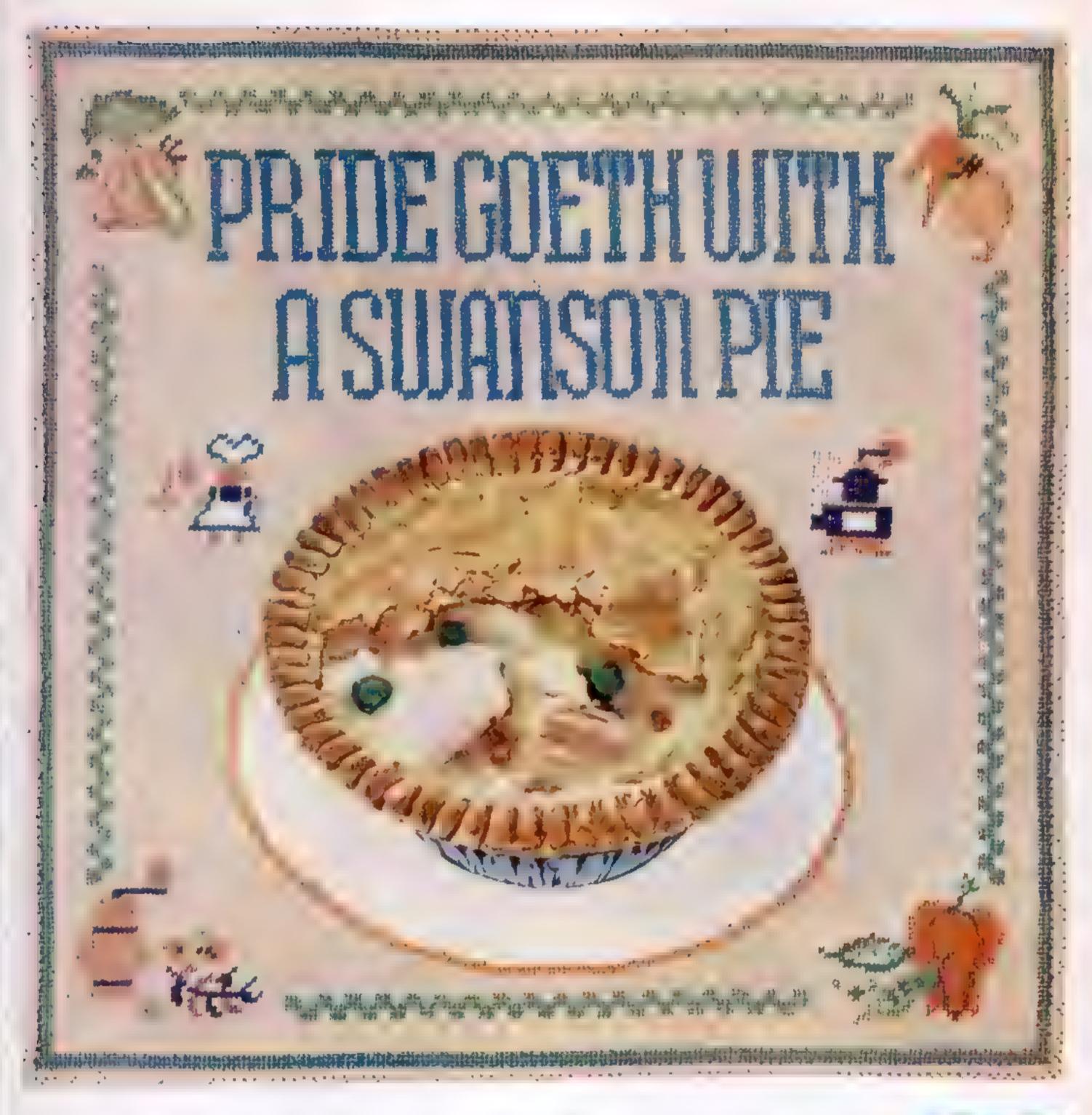


- HOISTING A CAR, a giant derrick in a barge pulls it from Newark Bay, swings it to a car float behind it. This was the train's second coach, also shown above.

CORPSES IN THE CAR brought up by derrick show how man at left had made desperate attempt to climb out. Others were apparently stunned in their seats.



It all division to the transfer of the second secon



More people prefer Swanson pies than any other kind

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Un Canadian consters, Jon.

PALESTINE REFUGEES: THE TIME IS NOW!

In his able address to the General Assembly last week. Secretary Dulles covered about every question before it, from Lebanon and Hungary to disarmament and outer space. In doing so he showed how closely U.S. policy is identified with the best principles of the U.N. charter, and made it clear that a U.N. agenda—and this session's is a long one—is inevitably a U.S. agenda as well. But there was one omission that belongs on both the U.S. and the U.N. agenda, at or near the top.

The homelessness of one million refugees from Palestine has been an international scandal for 10 long years. Of all the threads in the Middle East tangle, this problem is the least insoluble. It exacerbates all other Middle Eastern problems; its solution is indispensable to real progress on them. The U.N. should take it up now.

These million Arab refugees cannot be called the worst-fed or worst-housed people in the world today, Indeed for thousands of them refugee status is something between a blessing and a racket. Yet in a suffering world they are the most outrageous reproach to the U.N. and to the conscience of mankind, because they illustrate how callously a world of civilized nations can expunge men from civilization. The idleness, fraud and hatred that run like sewers through their camps and shanties get more dangerous every year—and more unnecessary.

Through its Relief and Works Agency the U.N. has spent some \$300 million to keep these refugees alive. A charity organization, UNRW A cannot cure the refugee problem; it can only prolong it. But UNRW A is running out of money and is scheduled to expire in 21 months. Since the U.N. has to do something about UNRW A, it should do what will make further charity unnecessary—i.e., find these people homes and return them to some kind of normal life.

The first step is to pick an agency that can treat the refugee problem as separate from the other confusing poisons of the Arab-Israel deadlock. The Palestine Conciliation Commission, politically unemployed since 1951, is such an agency, or would be if its membership (U.S., Turkey, France) were

broadened to include Arab and other representation and charged afresh with this single task. A private proposal, issued last fortnight by the new Institute for Mediterranean Affairs, suggests setting up a Repatriation and Resettlement Authority; but the name of the agency matters less than the approach. The approach should be to realize that the refugees are an increasingly dubious asset to Arab politicians and a mounting danger to the Israelis and to peace; that a bargain is therefore possible; and that it can be reached by firm and fair negotiation under U.N. auspices.

The details of the IMA report, however arguable, at least illustrate the possibility of such a bargain. Its 23 points include procedures by which every legitimate refugee from what is now Israel would have his free choice of three or four places of resettlement, including Israel, and would receive full compensation for his property. The report assumes that most of the refugees would choose resettlement outside of Israel; but Israel's fear of a mass fifth column would be met by setting up a trial period to find out. From five to 10 years would be allowed for the whole resettlement, and its total cost is estimated at \$400 million—not counting compensation costs, which would fall mainly on Israel. Israel and the Arab states would all contribute to the resettlement costs, but so should other U.N. members, especially the U.S. The IMA plan is probably unacceptable to Arab leaders if only because it contemplates safeguards for Israel. But it does offer fair alternatives to the refugees and many of its points are sure to be found in any realistic solution.

Whatever that solution may be, only the U.N. can negotiate it into effect; and only the will of a strong member can activate the U.N. That means the U.S. A determination to solve the refugee problem should become State Department policy at once.

A million human beings can be rescued from a dangerous political zombiehood to some kind of normal life. If the U.N. is capable of any constructive action in the Middle East, here and now is the State Department's chance to prove it.

MALIK: A SPOKESMAN TO THE WEST

Whatever else it may or may not accomplish (see above) the 13th session of the U.N. General Assembly has already distinguished itself by electing Charles Malik of Lebanon to the presidency. The election was sharply contested because Malik, himself an Arab, was opposed by the Arab League as too "pro-Western." But his "pro-Westernism" is not the main reason we are glad he occupies the U.N. chair. We welcome him because he is a serious philosopher and Christian teacher whose greatest service to the West, as to the Arab world, is in continually calling it to be faithful to its own ideals

As Socrates used his logic, so Malik uses his eloquence against the sloth, pride or errors of his friends and reminds them of their better natures. A good example was his recent address to the Harvard Business School on its 50th anniversary. His theme was Whitehead's definition of "a great society" one whose "men of business think greatly of their functions." Although the theme is by now familiar to U.S. businessmen, its pertinence increases as our business civilization becomes more successful.

Malik sees no limit to this material success: "There will never come a time when new and better things in all fields will not be created," It is a wonderful prospect, "this unlimited power of man to invent and create," but not as wonderful as the question it raises: "After nature has completely yielded all its secrets to man . . . after man has fully

exercised his powers . . . then what? . . . If nature is for the sake of man, then man is for the sake of what? Is he just for the sake of himself? . . . It is at this point that the total perspective of Communism's challenge to the businessman really begins to open up."

Mahk assumes that the Communists can ultimately approach Western business in output and that the fateful contest is moving to the plane of the meaning of life. "The Communist claims that his interpretation of life embraces everybody." Can the Western businessman claim as much? To tell the world "look at us how happy we are; just copy our system" is not good enough. "In this fearful age you must transcend your system... you must mean something in terms of ideas and attitudes and a fundamental outlook on life; and this something must vibrate with relevance to all conditions of men."

Malik is hopeful that a "spiritualized materialism," clothed in the principles of freedom, can emerge from our Western world and turn Communism's challenge into "the businessman's challenge of Communism." It is a large order not only for our businessman but for our whole society. The crucial question is whether or not the West has "a genuinely universal message" and can articulate it. We are fortunate that a great teacher, philosopher and articulator has a world platform from which to keep reminding us of this quest.



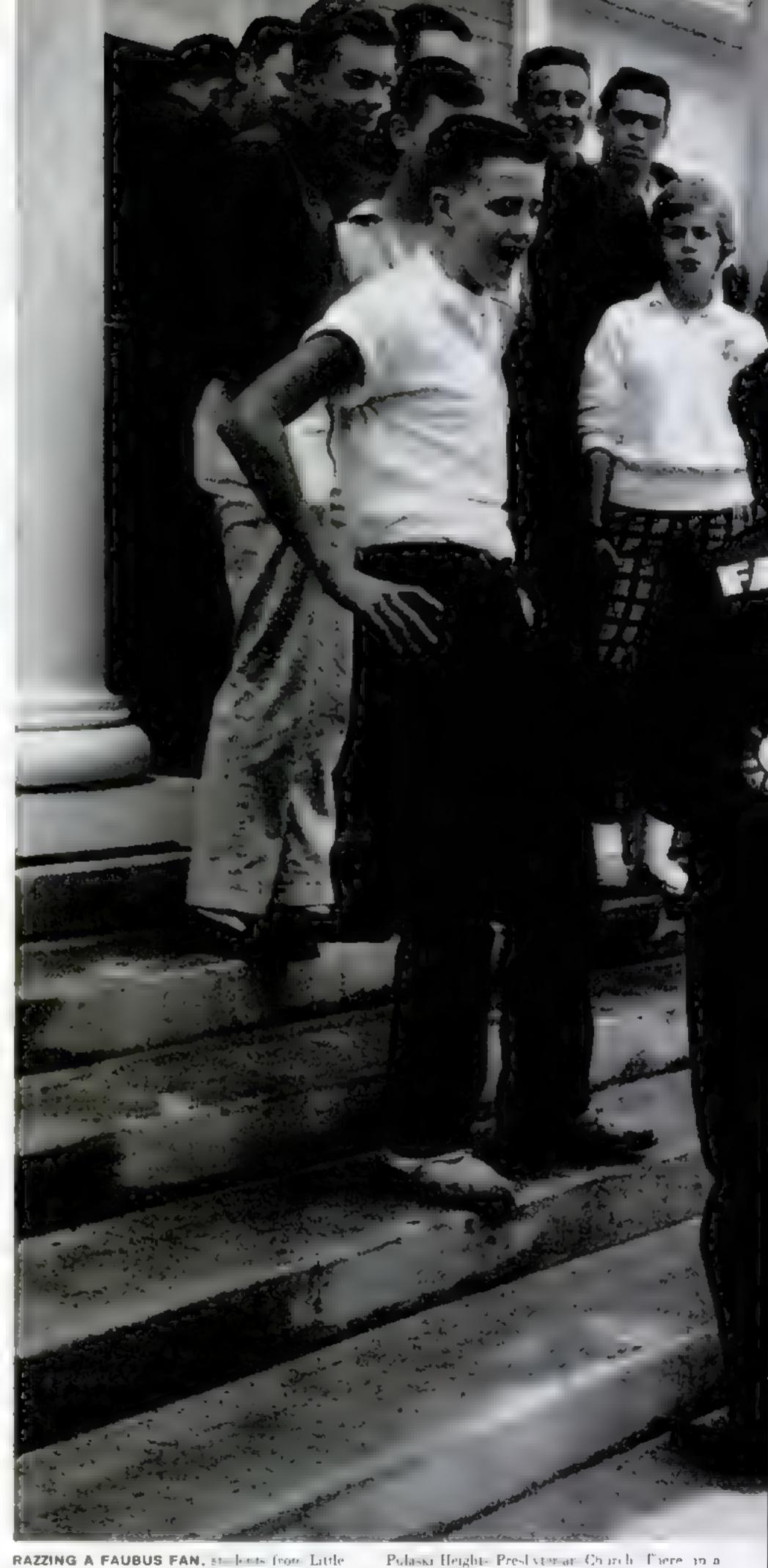
DANCING IN VIRGINIA, Front Bevar students at tend canteen now open nogothy to keep it is last.

SCHOOL'S OUT; NOBODY'S GLAD

Spectacle of bored and idle kids is frightening forecast in South

The Soath last week got a frightening, meaningful sample of what its massive defiance of the law of the lander set ool integration could cest in human terms. The specter in prospect was that of thousands of students who, their sel ools closed, would wander around bored and restless, a worry to parents and a potential source of mischief. Even more significant, their education and future careers might be seriously impaired. The first cases in point were lattice Rock, Ark, and Front Royal, Va. where a total of 4,700 students were out of school, classrooms closed by the governors to dodge federal orders to integrate (Life, Sept. 22).

What should have been a ball for the kids. quickly became a battle with boredom, which neither dancing, take riding nor endless griping did much to help. And boredom quickly gave way to worry. Hardest hit were the senfors who, though some were craining at home. for college entrance exams in December, faced the alarming prospect of not being able to enter college at all next tall if their schools stay shat Confronted now with a hard choice between limited school integration and no school at all, many students and their france parents were, however reluctantly, for integration. In their mounting distress lay the most formidable threat yet to the plans of Virgima's Governor Almond and Arkansas' Governor Faubus.



RAZZING A FAUBUS FAN, at Jones from Little Rock's Hall High School child Bd. Orshurn. 16, at

Pulaski Heights Presl vter ar Church There in a special meeting, students voted to 2 to rain solution



asking governor to respen the school even if integrand. Orshum was one of two who voted against it



SIGNS OF UNCERTAINTY over whether student would be get to an interest or a recommendation.

we controlles a Front Rose new gill



WITH NO LOCKER ROOM, because it is in their closed school football players from Front Royal's

Warren County High, gathering to practice, have to put on gear in public alongside wall of the stadium



FITS ALL INJECTOR RAZORS

School's Out commuter

PROBLEMS FOR GROWNUPS, TOO



DEBATE IN FRONT ROYAL over closed school drew town's largest P.T.A. meeting Crowd approved motion by Chemical Engineer Percy Rogers to appoint committee which would in effect delay any action at all. Earlier the meeting tabled move to petition governor to return school to local control.



TARGETS OF FAUBUS. Preshyterian leaders hold minute of prayer in Litite Rock. They are committee which demanded hanbus apologize for charging Arkansas. Preshyterian ministers had been "brainwashed by left-wingers and Communists" because they passed resolution urging him to reopen schools.



SUPPORTERS OF FAUBUS in his plan to circumvent integration, these six citizens, led by Dr. T. J. Raney (center) incorporated as Little Rock Private School Corporation. It hopes to lease buildings from school hoard, get state funds. Vague on details. Raney said group 'expects advice' from governor.



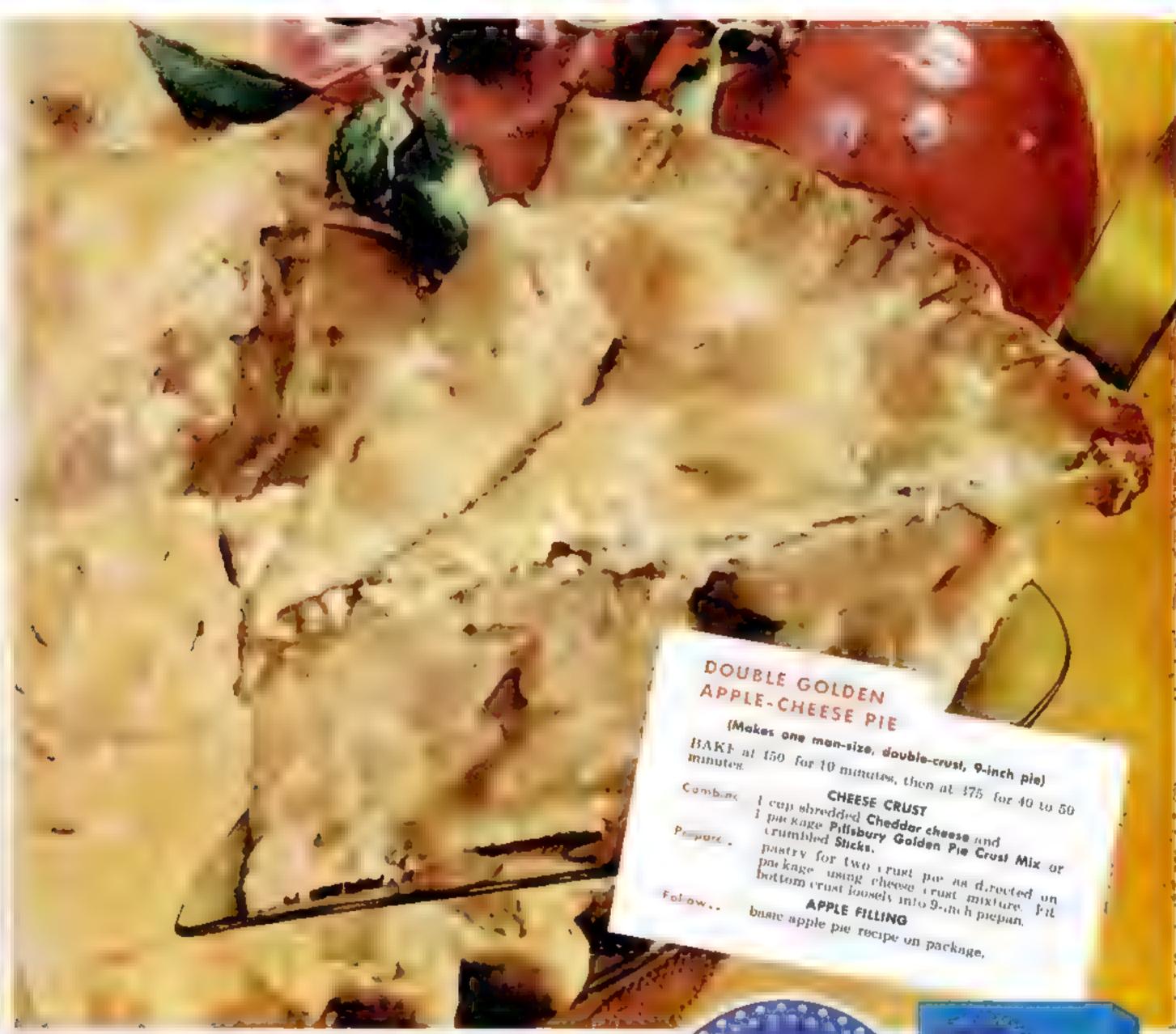


Nervous tension hear aches nor the special react Annean gives ther's new Annean at ther than aspiral even with bull ring added Analan slike a letter special one and a conduction of refer a privile agreed ent. Analan also to 1) refere pain, (2) on more solutions and Annean Tradets do not used that the tension Bay Analan to avi

3 out of 4 doctors recommend the ingredients of ANACIN

Great New Appletime Dessert...

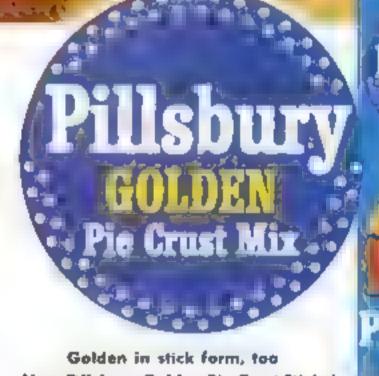
Double Golden Apple-Cheese Pie!



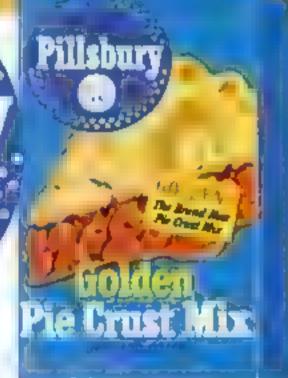
YOU BAKE THE CHEESE RIGHT INTO THE PILLSBURY GOLDEN PIE CRUST

With Pillsbury, you always get a tender, flaky crust!

It's Appletime again! Time for Man's Favorite Dessert-Apple Pie. Well, here it is with a neat new twist. You don't serve the cheese on the side-it's right in the crust! Golden Cheddar . . . baked right into your golden Pillsbury crust. Bake up this Double Golden Apple-Cheese Pie some night soon. It's your golden opportunity to put a bright new smile on your man's face.









"That's why more mothers give their children Borden's Milk," says Elsie, the Borden Cow



A long time ago, the people at Borden's made this solemn pledge. And to this day, Borden's Homogenized Vitamin-D Milk has more than met the highest standards of wholesomeness and purity.

Children love Borden's because it's the best tasting milk. And more mothers give their children Borden's Milk because they know this promise has been kept.

When it comes to milk for everyone in your family, better get Borden's...at your food store or from your Borden man.

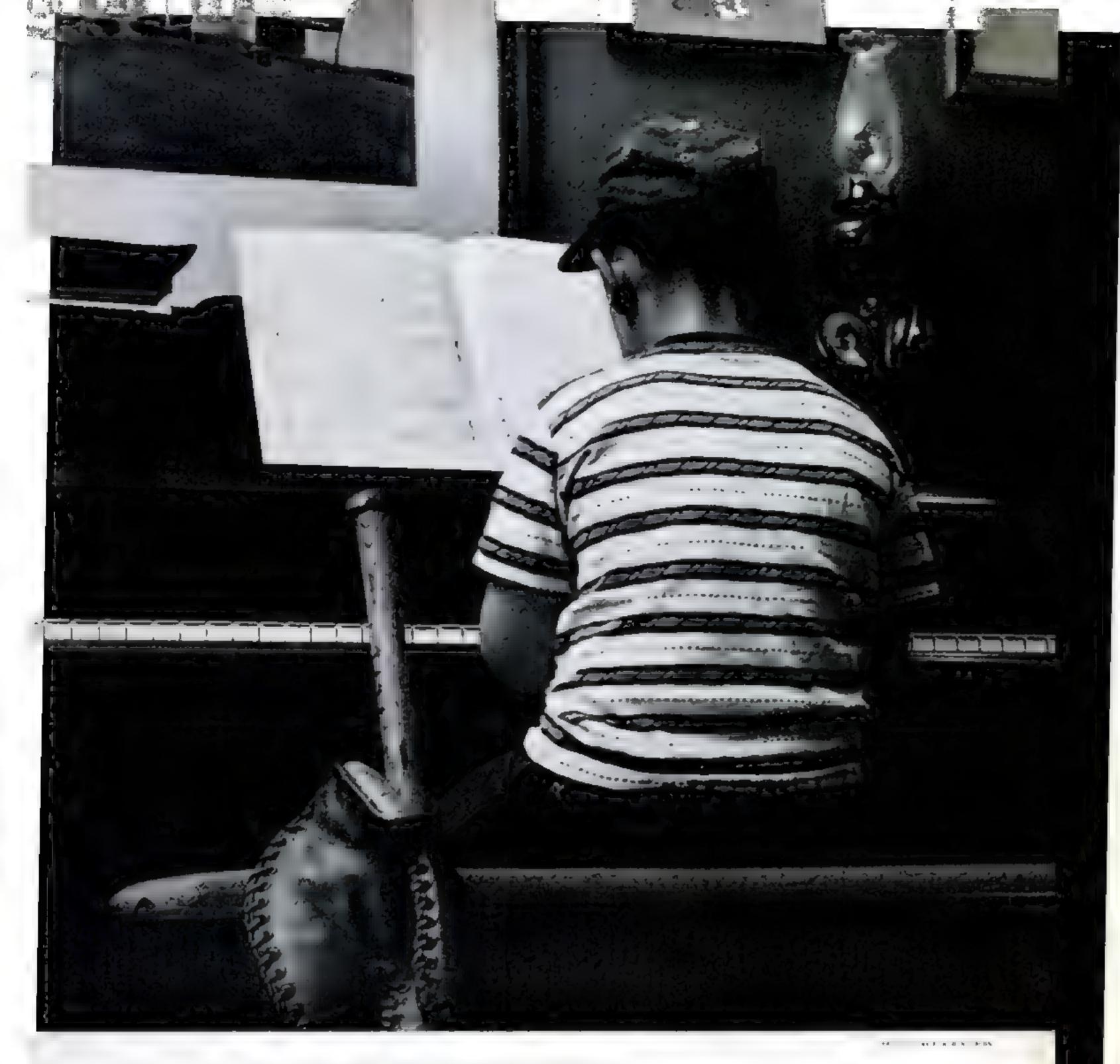




PLANE POISED TO DIE

A British Sea Hawk fighter was photographed (above) a split second before it plummeted to destruction at England's Farnborough Air Display. The Royal Navy turbojet had begun to catch fire during an exhibition of aerial acrobatics, but luckily its pilot, Lieutenant Roger Dimmock, had been able to operate his ejector seat and bail out in mid-air. While the wrecked plane billowed smoke and flame on the ground, Dimmock followed it down by parachute (below). The plane crashed clear of spectators and pilot Dimmock got away with only a broken leg.





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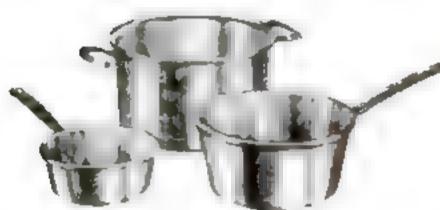
With Equitable's Liting Insurance you can be sure he'll have a home, even if you're not there. Under the Assured Home Ownership Plan, the mortgage will be paid off at your death. And, in addition, a sum which can equal the payments you've made to

reduce the mortgage will be returned to your family. If you live, you can own your home free and clear one day and have life insurance with substantial eash values

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women say nothing else cleans, scours
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TRANSATLANTIC FUROR OVER BOBBY CAPES PRODUCED NEWSPAPER STORIES IN LONDON "DAILY EXPRESS," N.Y. "HERALD TRIBUNE," "WOMEN'S WEAR DAILY"

A CRAZE FOR BRITISH BOBBIES' CASTOFF CAPES

The unlikely source of a new fad that is about to crowd last year's old raccoon coat out of the closet is the aloof British bobby. An American importer named David Seiniger, in England on a recent buying trip, spotted a warehouse full of used oilskin capes, worn by bobbies. They were for sale as surplus so he bought 2,000. All of them have been snapped up by U.S. customers—men and women—for college and country wear.

Each cape comes with the guarantee that it was once fluing around a London constable's shoulders and, as a special added attraction, has an

official police budge pinned to it, the royal eigher stamped inside it, British reaction to such casual treatment of the queen's monogram and former police property ranged from amusement to indignation. One London paper demanded to know if Scotland Yard would investigate. The Yard stated that it oad no idea where Mr. Seiniger had gotten the budges, which are officially worn on below ts, but that it was helpless. With 8,000 more capes on the way, Seiniger jubilantly announced the imminent arrival of 5,000 helmets as well, was sure he had an even newer craze in the making.

BARBARA JOHNS OF WESTPORT, CONN AND AL WATTERS OF WESTON WEAR CAPES ON A STROLL BARBARA GOES TO BENNETT COLLEGE. AL IS AT HOTCHKIS



Touch this button

once...



and see a complete slide show!

Just one touch will do . . . then go sit in the audience.

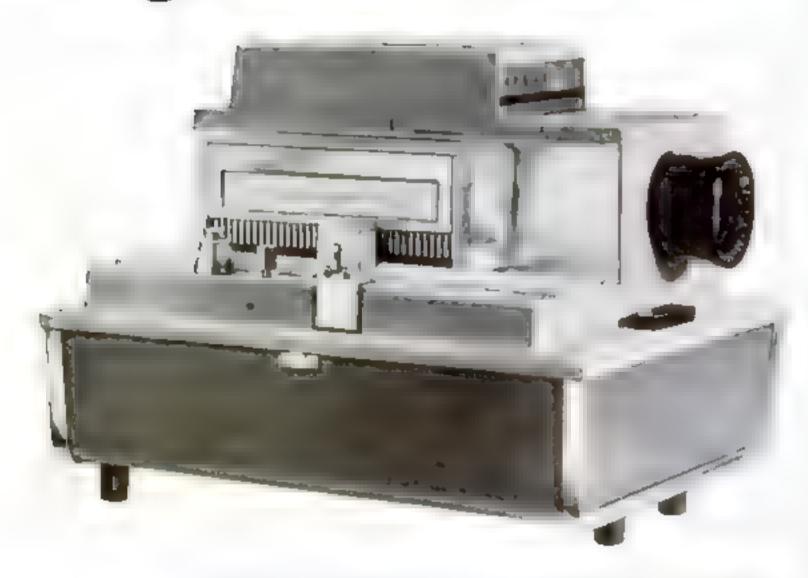
This Argus Electromatic will proceed to show your slides—automatically—probably better than you could do it yourself. Fast or slow, depending on the way you set the timer dial . and with true-to-life 500-watt brilliance.

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BOBBIES' CAPES CONTINUED



cape-clad bobby gives directions to a visitor. Capes, which are made of oilskin and lined in wool, are worn on state occasions. Since bobbies are all about the same height, capes come in only one size.



OFFICIAL BADGE of London constabulary bears the royal cipher E II R. Although bothies wear the budges only on helmets, one is sold with each cape. Semiger will not divulge where he got them.



OUTFITTED IMPORTER. David Seiniger of Empire Imports, tries on a cape and helmet. Warehouse racks behind him are filled with new shipment of capes.



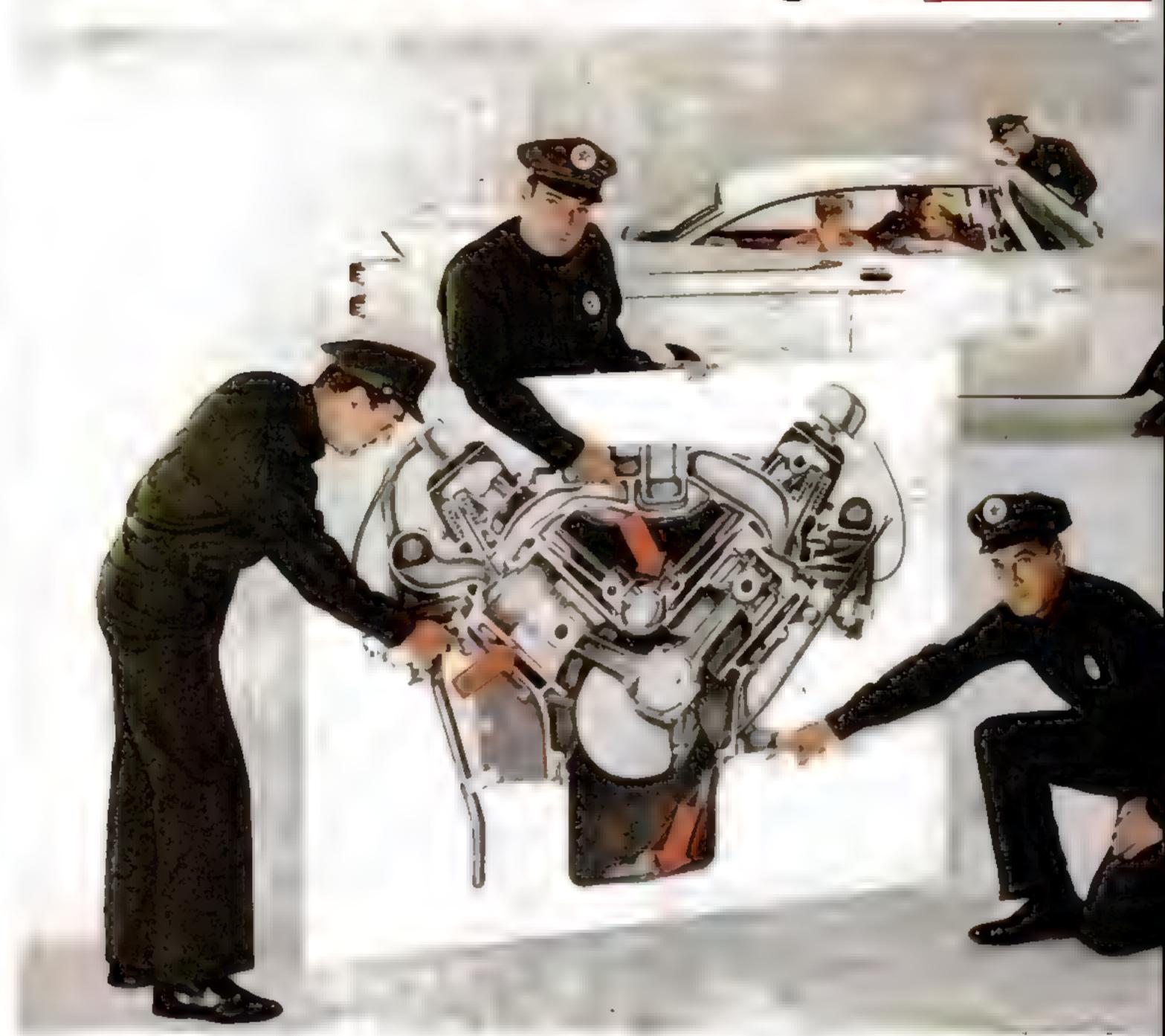
Cook up a Mediterranean holiday with real Italian-style CHEF BOY-AR-DEE® Ravioli

No meal was ever this quick or thrifty! These tender macaroni pies are plump with succulent beef or tangy Italian style cheese and simmered in a hearty tomato sauce. Delight the family with either Beef or Cheese Ravioli, for only about 15¢ a serving.

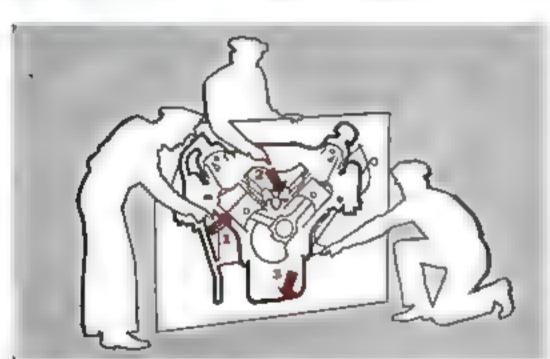


Na avarancia (a.)

Texaco's new kind of motor oil gives maximum



Here's why your engine lasts longer, runs best with all-temperature Havoline:



- 1 You get maximum protection against cold-start wear! Unlike ordinary motor oil, all-temperature Havoline Special 10W-30 stays free-flowing even in dead of winter. Coats surfaces with a rust-proof, scuff-proof film the instant you flick the starter. You start faster. You get maximum protection against hot-running wear! All-temperature Havoline's tough body resists extremes of engine heat and pressure.
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- 3 You get maximum protection against sludge and deposits. This oil cleans as it lubricates! Prevents sludge and deposits so engine runs smoother, quieter, more reliably. Change your oil every 1000 miles and make sure it's all-temperature Havoline Special 10W-30...the best motor oil your money can buy!

protection against wear!

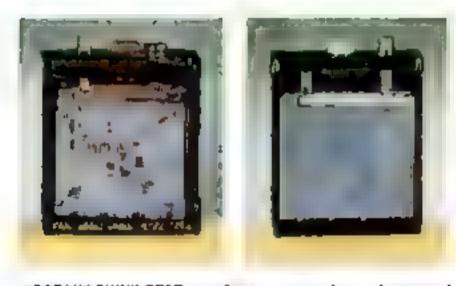


HAVOLINE SPECIAL 10W-30 ALL-TEMPERATURE MOTOR OIL TEXACO DEALERS IN ALL 48 STATES AND CANADA



NEW! A battery that eliminates mechanical failure even in the most severe service!

Auto-Lite sta-ful with Power Bond*... a great new advancement in battery engineering



"BREAKDOWN" TEST toughest ever made on butteries! Ordinary battery plates (left) have lost vital power-producing material and failed after only 55 hours of vibration testing. Auto-Lite Sta-ful with Power Bond (right) shows no damage at all after 1000 hours in same test! Plates are still intact and delivering full starting power!

Power Bond, an exclusive new Auto-Lite development, eliminates a major cause of battery failure . . . plate-destroying vibration. Here's how Power Bond protects full starting power—

- 1. Power-producing plates, protected by fibre glass, are firmly anchored in place by plastic bonding. Even the most severe service can't shake power-producing material loose.
- 2. Power Bond construction eliminates leakage points found in ordinary batteries. Permanent resin seal bonds top to battery case, fully covers and protects power-conducting intercell connectors. Battery stays sealed and powerful.
- 3. Rigid scaled-box construction gives maximum strength. Overtight hold-down brackets and extreme under-hood temperatures can't distort case and cause corrosive, power-robbing leakage.

And new Power Bond incorporates the famous Sta-ful extra liquid reserve... needs water only 3 times a year in normal car use!

Every Auto-Lite Sta-ful with Power Bond is registered at the factory by serial number in the owner's name! Both your Auto-Lite Dealer and the factory stand behind the superior Power Bond Guarantee. Ask for the new Auto-Lite Sta-ful with Power Bond. At Auto-Lite Battery Dealers everywhere.



Batteries with Power Bond receive a 50-month wallet-size Guarantee card. Honored by any Auto-Lite Battery Dealer in the world.

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1958 Indianapolis "500" mile race . . . 6 miles an hour faster than the record set last year at Monza in the first "Race of Two Worlds."

Here in the world's ultimate test of drivers, cars and tires, the Firestone Rubber-X formula again proved its all-around toughness. Here, where King Speed makes even a ripple in the concrete strip kick with a cannon's recoil, Firestone tires outlasted and outran all others.

By pushing Firestone tires to the absolute limit, by a punishing pace that literally shattered shock absorbers and snapped steel frames—



stands heat, wear and impact-brings you and your family a new kind of driving safety every mile you travel.

When you're planning the purchase of a new car, or tires for your present car, be sure to remember the extra wear and safety margin Firestones offer. Only Firestones have been safety-proved on the speedway for your protection on the highway. Buy now, on convenient terms if you wish, at your nearby Firestone Dealer or Store.

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BETTER RUBBER FROM START TO FINISH

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RHYTHMIC ROOF WITH SIX VAULTS, SLENDER COLUMNS, GIVES HUSTAD HOUSE IN WAYZATA, MINN. AN AIRY LOOK, BLANK WALL SETS OFF THE MASSES OF GLASS

HOMES THAT ACHIEVE MOST IN LIVABILITY

Tailored to fit owners, houses suit families' ways, whims and budgets

Many U.S. families are housed to their complete satisfaction in beautiful homes which suit their habits, whims, personal tastes and add greatly to their happiness. In this third part of its series on the U.S. need for more livable homes Lift shows how six families in widely differing parts of the U.S. succeeded in getting homes tailored exactly to fit their needs. These six houses, which cost from \$25,000 to \$150,000, show how many styles there are to choose from in modern houses and how varied and personal the homes can be. No two of these are alike and yet they share three fundamental qualities. Each represents the work of a skilled architect and the craftsmanship of a qualified builder. Each house was thought out by the owner and planned in every detail to suit the individual requirements of the family. In design and quality, each offers a wealth of good ideas to anyone planning to build or buy a home today.

The romantic bouse shown above and on the next three pages is a clever blend of practical design and rich imagination. Donald E. Hustad, a Minneapolis architect, designed it for his own family. The hillside lot

in suburban Wayzata with a steep slope of 35 feet dictated a split-level house. Hustad put bedrooms at the top level, living room at the middle level, family room, dining area and kitchen at the bottom level. Every room in the house has access to a balcony or terrace and every room except the kitchen has full-length glass doors for an uninterrupted view of the surrounding trees.

The most striking feature of the house, which cost \$34,000, is its barrel-vaulted roof made of a thin shell of half-inch plywood. With the thrust of one vault counteracting that of another the plywood gains great strength. Says Architect Hustad, "I find a flat eeiling depressing. I wanted a feeling of space and I was convinced that the vaulting would be soothing. It was only an assumption when I designed it, but now that we are living with it, I find I was right." Hustad thinks that he scared off one potential client by taking him to see his vaulted-roof house. But having won an award for this house in a recent Midwestern design competition, he is pretty sure many people will find his design appealing.



GRACIOUS LIVING ROOM gains feeling of space from its valided ceiling and arcited for thigh window wall. A screen of beautiful old trees blots out the neighbors. Because house is so cannot placed, the suburban plot seems have

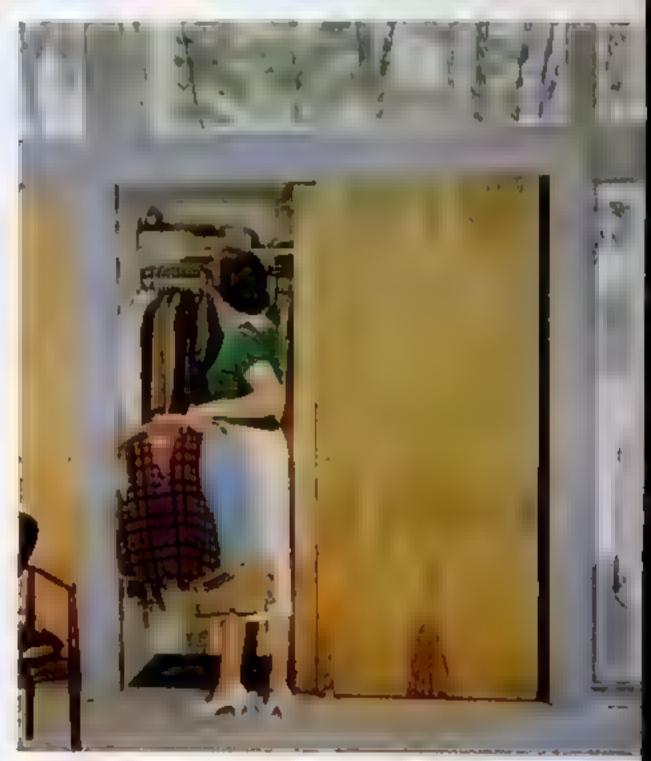
open country. Bilcony was placed on the warmer south a le of the house to make it useful through most of the year. So much son comes into the nying room on most winter days that the heat is often off for atmost half the day.



FAMILY ROOM OF HUSTAD HOUSE HAS OPEN COUNTER TO KITCHEN WHERE CHILDREN OFTEN EAT COUNTER DOUBLES AS BAR FOR INFORMAL ADULT PARTIES



ENTRANCE HALL gives renvenient access to three levels of Lonson the family reson to each, if a living room and balcons at door level, and the three bedranes upstars. At John Mrs. Hostal we collect two gasests to daughter Traces southeav party. Traces, times softy on steps.



BIG CLOSET at sale of formation that takes a spin of from a read line can extend out from the formation, a formation page at the clothes adds interest to attribute well as saving room in sale.



SHORT BRIDGE leads from the driveway evel across most to front door. Earth was excavated here to put in a door to the kitcher on the lower level and give the lower a prettier setting by per long it on gravel. Instead of up-and-down

steps a bridge was used Hustad plans to put a six inch deep reflecting pool inder the bridge at left. The pool will stop at the edge of the gravel (right). Mrs., Hustad (third from right) is saving goodby to some of her friends after a party.



NIGHT VIEW ILLUMINES HOUSE FRAME, LIGHTED TREE SHOWS THROUGH TRIANGULAR PORCH SCREEN

TWO-LEVEL TROPIC LIVING

Semetimes a housebuller's special family can combine with the demands of an unusual chamate or surroundings to produce an exceptionally interesting a me. This is the case with the house shown on these pages which Aretitect Victor A. Lundy devised for Mr. and Mrs. Joseph D. Dudley in Sarasota. Fla

Mrs. Dudley was set on a tropical lesion somewhat like a South Sca banana plantation Louse. But she wanted two stories so the tamily would be able to get up above the lush vegetation that encircles their land to look out on the blue expanse of the nearby Gult of Mexico Along with these specifications the architect was required to keep the cost down near \$30, 000 while still providing four bedrooms, two bathrooms, living and during rooms a corporal studio and a reened-in terrace.

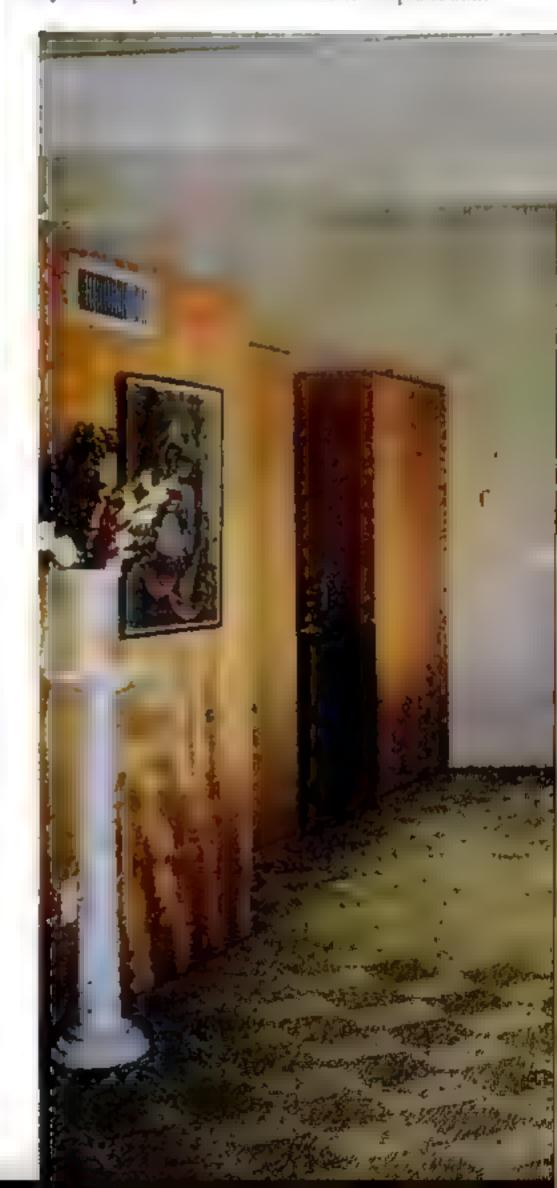
To modify the plain rectangle di tated by

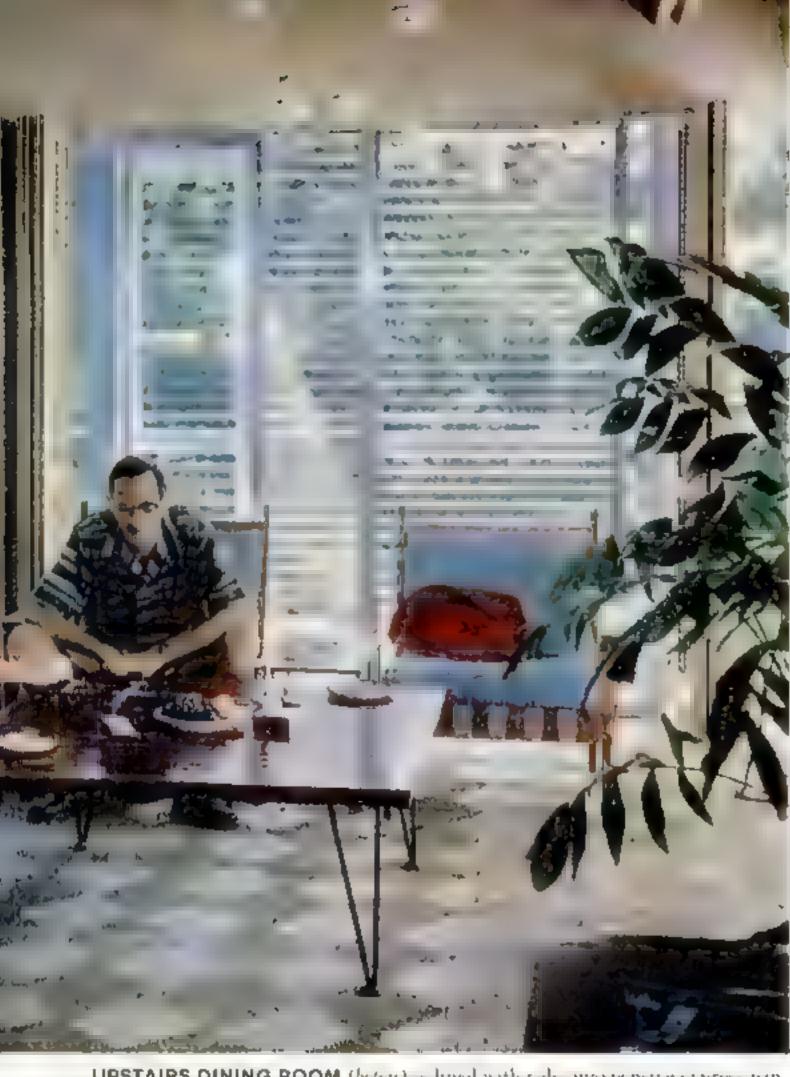
cost and the plantation house form, I undy let the simple structure of the house (choic) show through as decoration, giving it an airy book. The crossbeams exter fout beyond I wails, support pillars are intentionally left visible. To save on materials, Lundy boltest ordinary planks together to get the strength of land nated beams. Downstairs he used colored concrete brick which in warm chantes, an serve without insulation as a whole will

In front of the house is a 20 (cot tech, provish aped transparent screen (about) which end ones a tree in the patro and protests most of the upper porch. Fashioned out of smooth by joined rolls of Fiberglas, the sircen adias a lot of fiving space at very little cost. It also eliminates the caged-in feeling of most screen porches by moving out away from the front of the house toward the beckoning trees and sea.

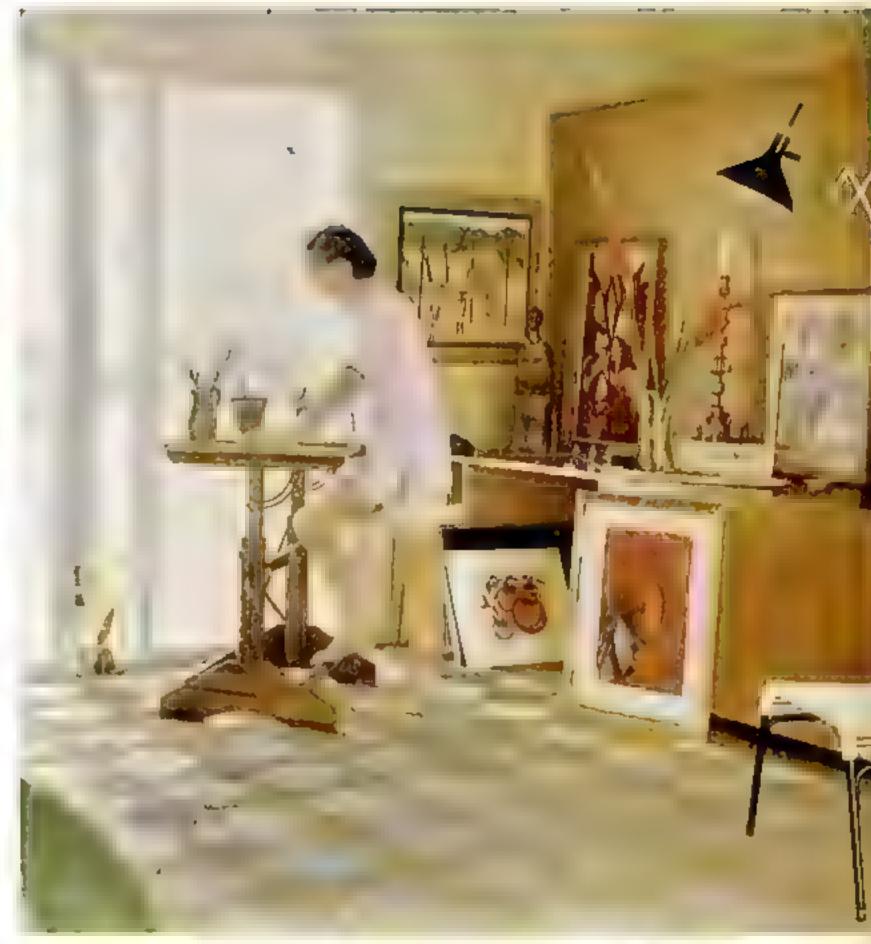


UPSTAIRS LIVING ROOM (above), where family spends much time, looks on the gulf and is backed by screen porch. Shutters unfold to keep out sun.





UPSTAIRS DINING ROOM (beton) is limit with pale intexpensive express paneling filter most of Lorse 1 has bandsome ideral by Philippine grass materials on their. In correct at rear right is an usually large 10 square foot storage room.



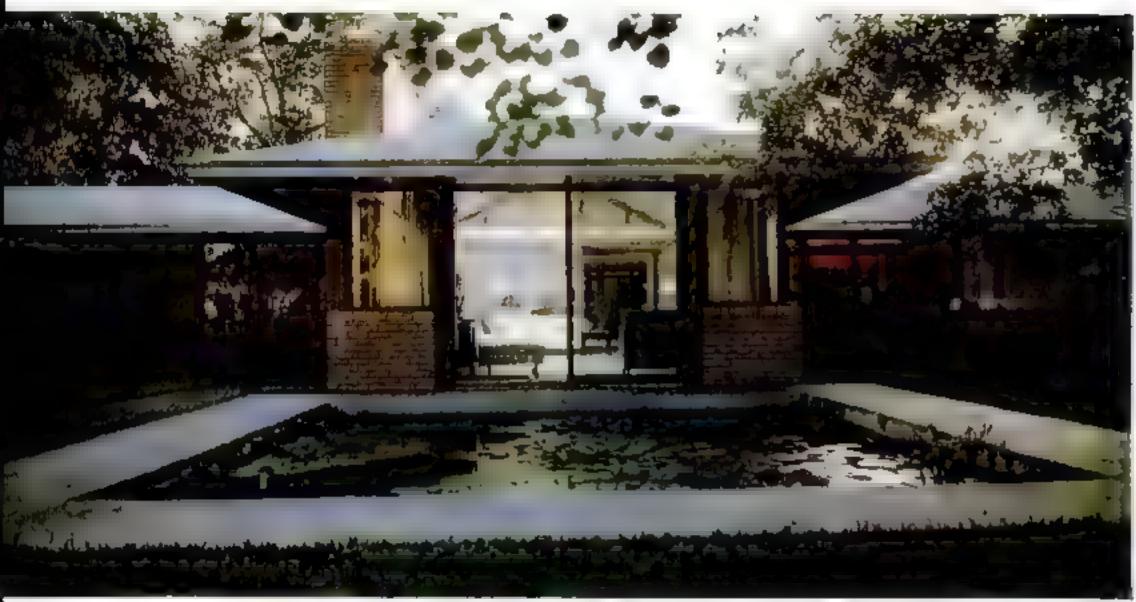
SUNNY STUDIO and workround is on upper floor to get max norm case, at Wall (right) has burlap stretched over it to grevill gall by keeps known for Mrs. Dudley's paintings. A galted anatour, see his extrated in our snows,





OPEN STAIRWAY, here seen from the down-tairs great room is of this to from front and back. Center support post to be to feat is small received trank. Beyond are front door, screened pations the train a start grown and le

MORE LIVABLE HOMES CONTINUED



BACK VIEW SHOWS POND, LIVING ROOM (CENTER) WITH PARENTS' WING AT LEFT, CHILDREN'S AT RIGHT

SIMPLE PLAN FOR PRIVACY

Built for Dr. Courtney Townsend of Paris, Texas, this house is a topnotch example of tailoring to fit a special living problem. A practicing physician, Dr. Townsend needed a roomy place where the lively comings and goings of his three young sons would not disturb him after he had been up all night with a patient. But he did not want a conventional house.

The answer hit upon by Texas Architect Harwell Harris was a \$46,000, one-level modern home, built roughly in the shape of a cross. Harris divided the house into five units. The rooms shared in common—dining room,

playroom and kitchen—were put in the center. Utility rooms like the two-car garage and laundry went into the foot of the cross a long way from the siry, spacious living room (opposite) at the top of the cross. This opens, through sliding glass doors, onto a terraced hly pond (above). The left arm is a big dormitory (opposite, bottom right) for the boys with its own separate bath and entrance. As far away as possible, in the right arm, the parents have a bedroom, dressing room and bath, plus a small sitting room which adapts as a guest room or a quiet sickroom for the children if need be.



OPEN LOOK of house is shown off in view from court off dining room through building to hving room (background). Meals are served through slot

(at left in during room) which leads into the kitchen. The open-roofed court with the growing loquat tree (left) is frequently used for the family meals.



LIVING ROOM STRETCHES 27 FEET TO GLASSED-IN



paneled in bleached Philippine hardwood has an actuate tile eciling to absorb sound. It is often used



BACK WALL LOOKING OUT ON TERRACE SLOPED CEILING CONSTRUCTION WITH THIN RAFTER-LIKE MOLDING GIVES ROOM FEEL OF SPACE AND DISTINCTION



by boys for music, dances and davtime snacks which can be served from kitchen (background) through slot. Here Mrs. Townsend is at kit her telephone,



DURABLE DORMITORY is designed to with-tanil on-laughts of three boys, aged 9 to 11. Dormstory arrangement saves space, helps make the rest of

bouse more livable. Boys have separate closets in the wall at left, a private TV set and extra day bed in alcave (buckground) where visiting arounds sleep.



LOOMING OVER BRICK TERRACE, ROOF PROTECTS FRONT DOORWAY INIGHT

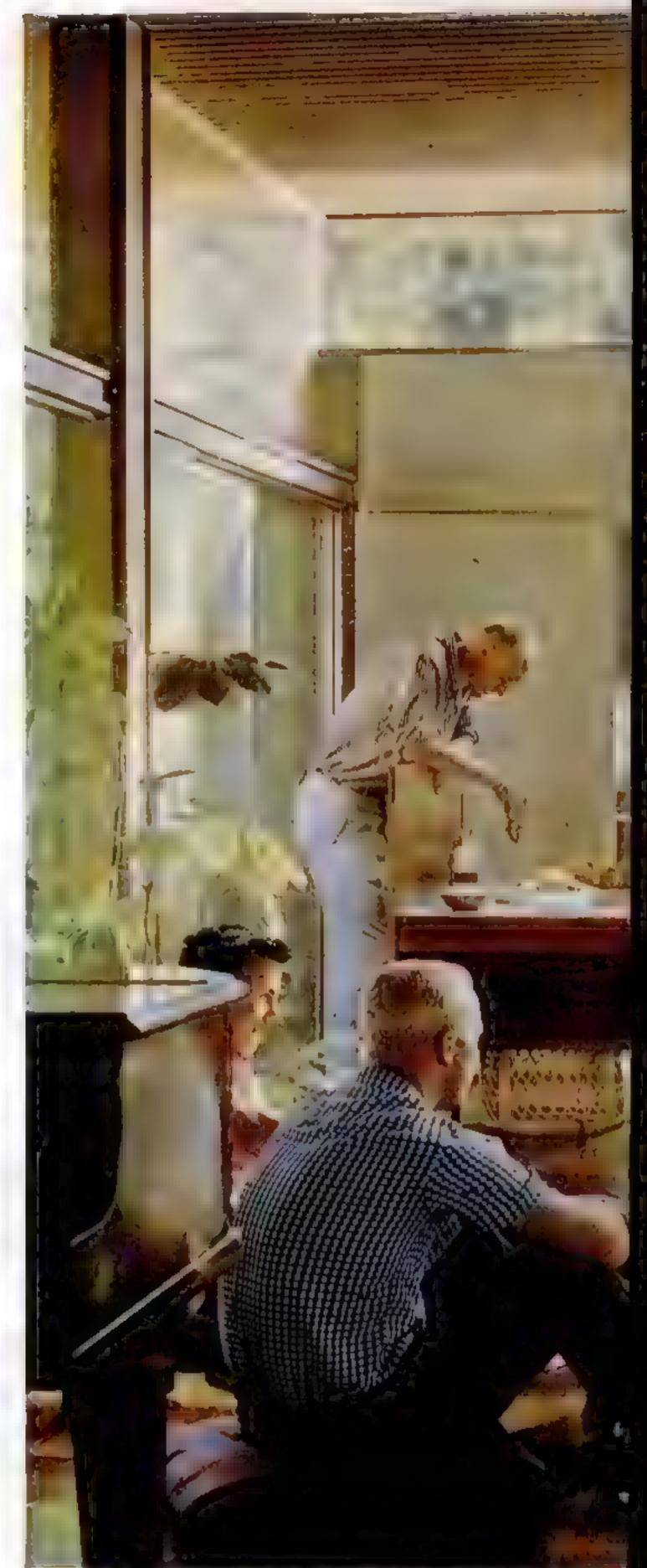
RAISING THE ROOF FOR SPACE, LIGHT

Like many new, custom-made livellings, the classic modern home on these pages shows a practical balance is two mail from by a perceited need for privacy and today's demand for space light and an anything. The rooms which need quiet—three bedraces, two baths, study—are smight ensuranced in twin brick restangles (above). But the house main living quarters he in a kind of glassed in the zewes under a thit root which seems to float in mid-air. Actually propped on four slenter prilars, the raised roof fills the house from all sines with an even glow of daylight.

Designed by Architect Ulrick Franzes for Mr. and M.s. Rich of B. at the of Rye, N.Y., the nouse (c. st.81, 000) has an ample 850 square 1. It hving area, which holds a bir, living arming room and bit here. They are separated from each other by a free standing wild and by tolaring purels. Depending on the taste and temps of the Limits, the architect can statisticate a domestic architecture of provide stand for these statistics are provided.



WOODEN SUNDECK at rear of house where **W**. But he copy a to within take bor, a partly prefer ted by highered excepting **S** and a decomposition of the first test of week and proceed as the decomposition.



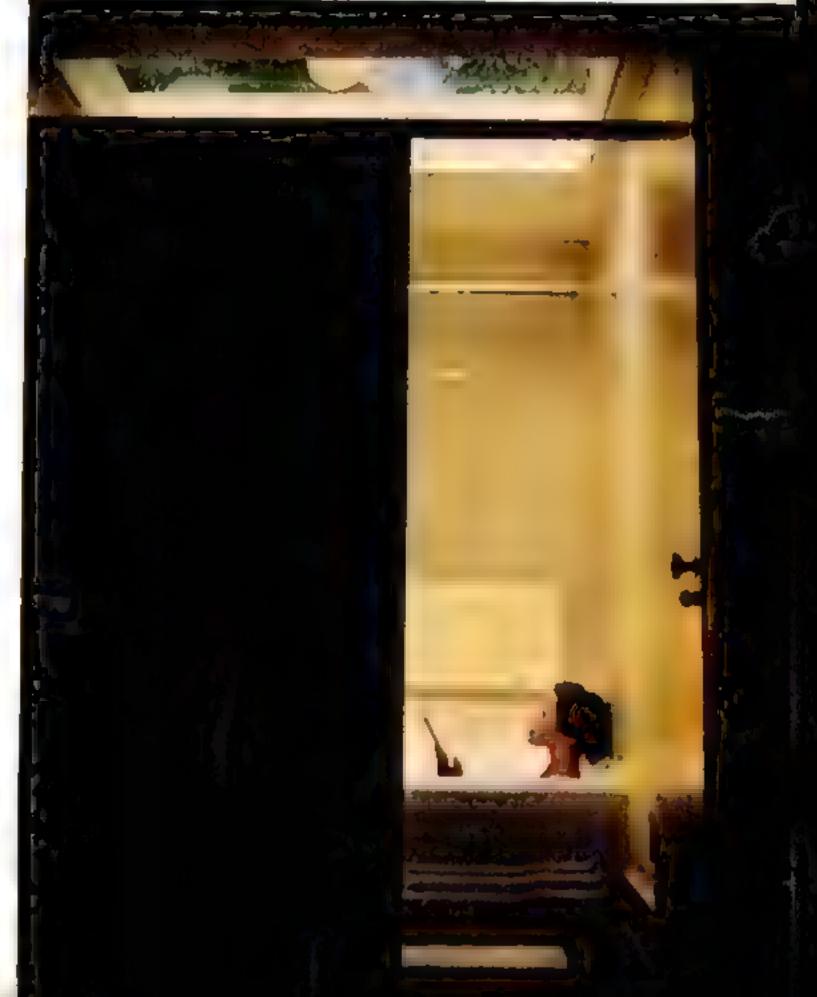
ADAPTABLE SNACK BAR turns the during grown main room to a fiveri to the vorige reality and become a later of earlier term of some extra season to a rand copy or by exercing to be considered work packets be a to



to kitcher at needs, that between the floating roof and the brack sections of his set up conserved by a higher factor central rooms with frieze of green ery 15, year and a cours are based between parents and chadren's bedrooms.



TRICKS FOR LIVABILITY IF form out for Hardsome sizer of bartons of the (groups) reads to a visual trick at most attriving guests so to extend at he of the form that fore risk light (www.) I savir lowless roots with straight



MORE LIVABLE HOMES CONTINUED



AIR VIEW SHOWS THE USE OF COURTS AND POO

FIXING UP A BAD SITE

The S 50 000 total shown lare sull offers a practical, of laxarious, answer to an everyday construction problem: how to make the best of a poor site. Put up in San Diego for Martin L. Goods, the noise had to be fitted onto a one-acre lot with dall surrounding land because the location was so convenient to Mr. Gleich's office. But it also had to meet their demand for sunny, out four living.

lust ad of the asual big windows giving on hat had seenery. Architect Henry Hester first threw up a high wall around the property, then out title house in the midst of several small but hash courts (chore) which enclose a swimming pool, an outdoor during area, a terrace, verdant cardons. House wans taking the courts are marky ad glass. Its occupants can look out on greenery or sacp directly to the pool from every room. Indoors, continuation of the same brick floor used on the terraces enhances the clusion the house is set in beautiful landscape.



top and three sides. It is reasonable to be master bedroom and had ben from jest of the con-

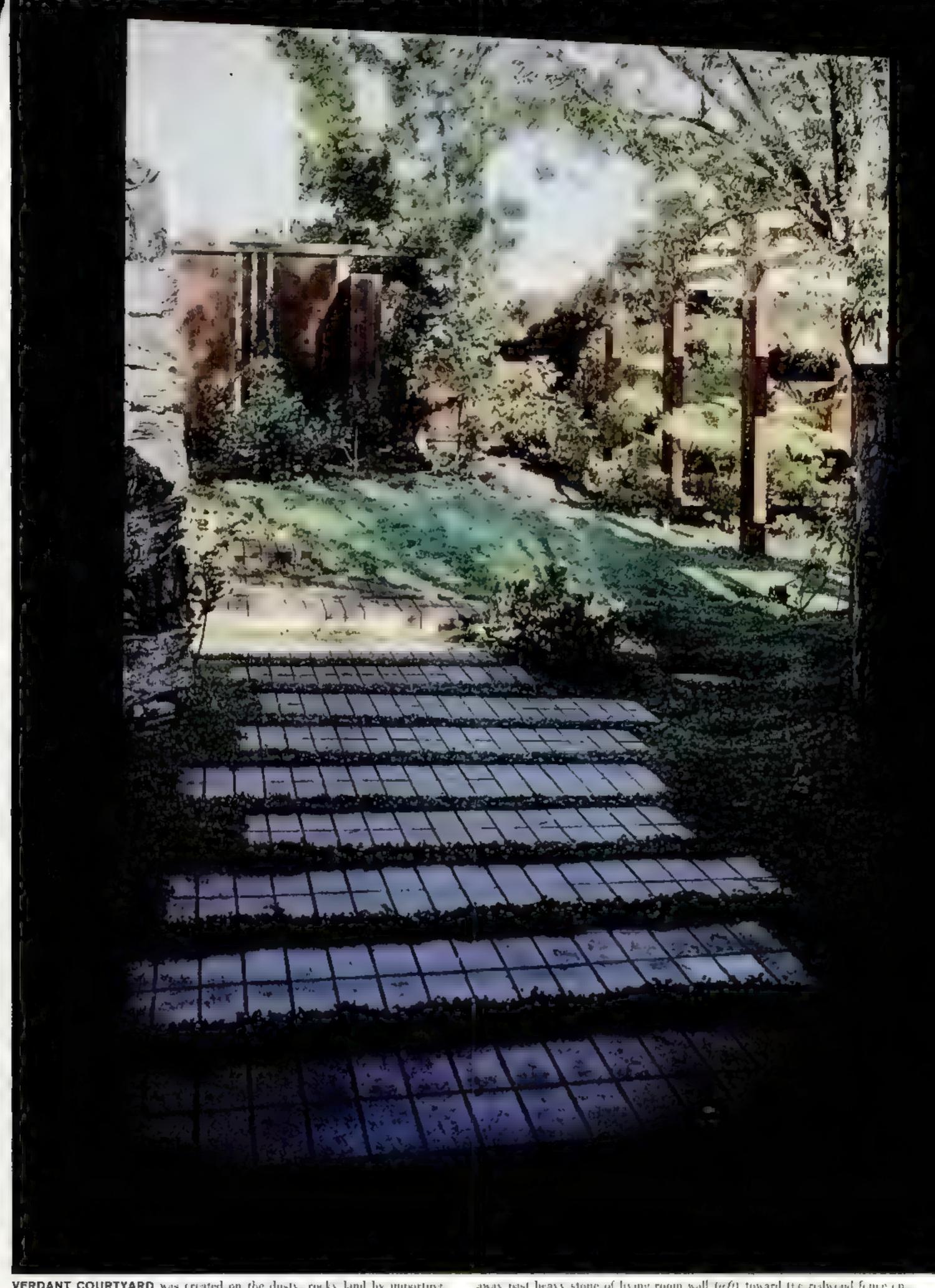
nul celv rivit cont Owners say its "Ixelatta remains the content of the land of the number have number of teller post accessor a year to re-



RUGGED LIVING ROOM opens on swimming peol. has no window, farme the neighborhood. Sturdy Dough's fir beans extend he wond room out over the court-yard. Low ceiling, brick floor, wall of desert rock give it rough, informal box.



SERENE MASTER BEDROOM suite includes room for small lorary and desk, connects with work tills beyond A separate unit from rect of notice its wal not panching, he made as a contractable formit are adopt as last me estang room.



VERDANT COURTYARD was created on the dusty rocky land by importing loads of topsoil planting with aniper and holly shrubs, tree ferns and cork oaks. From the front duorway the red orick walk in irregular pattern, curves

away past heavy stone of living room wall (oft) toward the redwood fence on closing lot. At the far right, for ished wooden beams, extending out from he kitchen wing of house over another terrace. Left frame the outcook living room.



YIEW With Lage win loss Vist rent cycle and racket I seem much arger and to Camber a Characters.

living remulting are 1 petars are maject be been and tath truest was (reglet is on a level higher tan living our from (left) encloses this and



OPEN LAYOUT of living area is seen here from the patio. But counter at right divides kitchen from using room. Door at rear lead to during room.

MORE LIVABLE HOMES CONTINUED

FOR \$25,000

The story of the Richard O Pollar I house in Bolyegore on San branese by may well as unaque It was built by Alexa Tellas for precessly the price the Pollar is had agreed to specif, \$25,000, in Irdaing the term in Architecture does Bernard, of Wurster, Bernard hand Emmons). It was torsted on day the bial terp on raid. The Pollar is in even in, for nel that it was everything they wanted. Notaing had been by gothern and they helmot want to change a time,

The Polards first and onlinears payes in the design of the large law large levels give them the pleasary steps to be steps to



SECLUSION WITH A VIEW

and down that they like. The living areas open wide to the patio and lagoon to give them the spaciousness they wanted. Guests, who arrive in sailboats as often as in motor cars, can step right onto the terrace. In warm weather the Pollards swim from the terrace and they sail in the lagoon most of the year. Privacy, which was an important requirement, is obtained by putting the master bedroom and bath above and remote from the living room. The guest room is off by itself in a half-level-up wing.

The Pollards credit the success of their house to the way they contracted for it. First they found the builder, told him what they could afford and what they wanted. He have cost \$50,000 and the builder did not even tempt the Pollards with a glumpse of this plan. The second plan was the right price and the Pollards approved it. Heroically, they never went near the site while the Louse was in progress, so that they made no last manufic changes, which are rostly.

The architects consider the Pollard house a happy experience. "We like to lesign houses." they explain, "not argue with housewives



BOAT IS DOCKED EIGHT STEPS FROM THE HOUSE





Size 36 short or 48 long—there's no build of man that doesn't benefit from the tailoring of wool. The way it moulds gives you a smoother fitting collar line—the superb way it bangs means a trimmer silhouette—

longer, leaner lines. Illusion or not—wool subtracts or adds inches where you want them. What's more, because wool holds its shape—its just-pressed look, a wool suit keeps you in top form around the clock—around the year.



WHATEVER YOUR BUILD...

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For making you look trimmer, slimmer—
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equals the drape, the moulding, the fit of wool.



No extra halk mars the easy comment be exclisive parties will continue who tack is not cally institute. Horks out cold an aid will will excess pointage.

THINK BEFORE YOU BU!

Wholestors in true behalise who has springhack book by the 2000 wood lanel.



nothing measures up to



For stars featuring clathes array write WOO: Built 5.
420 Living in Ave., NIC I



Fitwel Dress Co. Inc. "Lady-in-Waiting" ensemble. Designed by Tarquin Ebker. One of a series especially created for Mennen.

To Every Lady-in-Waiting

You can protect baby's skin as nature does at birth with our exclusive-formula Baby Magic

STOPS DIAPER RASH... CHAFING... CHAPPING Cover your baby's skin from head to too with Mennen Baby Magic to help protect against infection. It actually forms an invisible "bodyguard" that effectively destroys the bacteria that cause diaper rash. Nature protects this way at birth!

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BABY MAGIC is non-greasy. Use it before dispering to stop disper rash; all-over to stop chafing. Giant size, \$1, squeeze bottle, 60g.

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ANTI-CHAFING POWDER is a special formula; resists moisture—clings longer, 33¢ and 59¢.

ALL TAX FARE

for babies .. its





HEALTH KICK'S HIGH PRIEST

With gleaming, deodorized gyms Vic Tanny rides U.S. muscles boom

by PULLA BUNZEL

A GM, as everyone thinks he knows, is a place that is inhabited solely by prize fighters and their hangers-on. It so ells of sweat, land ent and stale eight smoke, contains very little equips ent except punching bags and rubber mouthpieces and is emphatically off limits to women and children.

But in the last few years a new kind of gym has spring up. It is decorated in charcoal gray and shocking pink. It has soft carpets. The claborate exercise equipment is plated in gleaning chrone. Instead of the grunts and groans of boxers, the dominant sound is that of Vinzak, playing waltzes, mazurkas and tangos. The light is soft and the air deodorized. There are massize rooms, steam baths, surrooms and swimming pools, all embellished with palm trees and tropical murals. Women and or dozen are very much in evidence along with men, for the new kind of gyn, is a monument to respectability and to the cause of good health for everyone.

"Good health," says Vie Tanny, who runs a 60-unit chain of these modern gyms, "can be merchandized just like automobiles," To back his belief Tanny will have opened 21 new gyms all over the U.S.

this year and expects to take in \$15 million. Already more than a quarter of a nullion Americans have responded to Tanny's message of salvation through bodybuilding, and he sees no limit in the future. He is also convinced that he is a political as well as a physical massia. the The Russians? Nuts! All that our people need is regular workouts at my gyms and they can lick everyone's father."

Millions for sags

TANY'S crusade happens to coincide with a nationwide physical renaissance. More than 5 million Americans are spending outold millions of dollars in some 750 reducing salons (operated by such grants as Slenderella. Stauffer and Silliouette) and in thousands of gyms and health clubs throughout the U.S. Vitamin concentrates have become a \$350 million business. Seventy-five million dellars worth of tonic is sold annually for sagging spirits and weary of oil

If Vic Tanny is not creator of this health kick, he is at least one of its high priests. In just 10 years he has built himself up from an



NEW GY Wheing built in Massapequa. Long Island is inspected by Tanny's children Candy and Vie Jr. who are hoisted up by heir father. Gym, which is due for completion late tois year, is to include a lowling afley and a skating rink for customers.

HEALTH KICK CONTINUED

obscure, smalltime gym operator on the West Coast into a logious gym mogul. He has opened new gyms every year since 1950, mostly in California, and now is pushing eastward. He has 10 gyms in the New York area, two in Chicago. Others are planned for Boston. Philadelphia, Baltimore, Washington, Cleveland, Detroit and Dallas.

The headquarters of Tanny's bodybuilding empire is an office in Beverly Hills, Calif. with thick white carpet, pink walls, huge walnut desk, sectional couch, portable bar and an enormous mud-colored mural depicting an Indian raid near Fort Phil Kearny in 1867. ("Those pioneers are my real heroes," says Tanny, who was born in the east. "They risked everything on coming out here but many of those who survived made a killing.") Seated in a high-backed swivel chair, Tanny fidgets with change or a letter opener, much like Captain Queeg with his celebrated ball bearings. But there the resemblance stops, for instead of being hated Tanny is idolized by his 650 employes as a living testimonial to bodybuilding.

A stern regimen

AT 16 Tanny is shaped like an inverted triangle. Of medium height but massive build, he has wingbke shoulders, thick neck, broad chest, slim waist and a mighty handelasp. His tailined face is scarcely lined and his graying hair is painstakingly combed in a youthful wave. He attributes his physical condition to the lessons his mother taught. A health food addict, she served her family whole wheat breads and plenty of vegetables while hantshing sugars, starches and desserts. Exercise was advised to take the place of stimulants. To this day Tanny only occasionally weakens enough to take a beer or cocktail, "A shot can be good for the nerves once in a while," he admits.

Tanny speaks in a perfectly modulated, low-pitched voice, even when burling abuse into the telephone, his usual tool for doing business, "I've saved hundreds of thousands of bucks," he says cheerfully, "by telling bankers where to get off and then hanging up, They never been treated like that in their lives. They find

out this Tanny isn't such a muscle-bound dope."

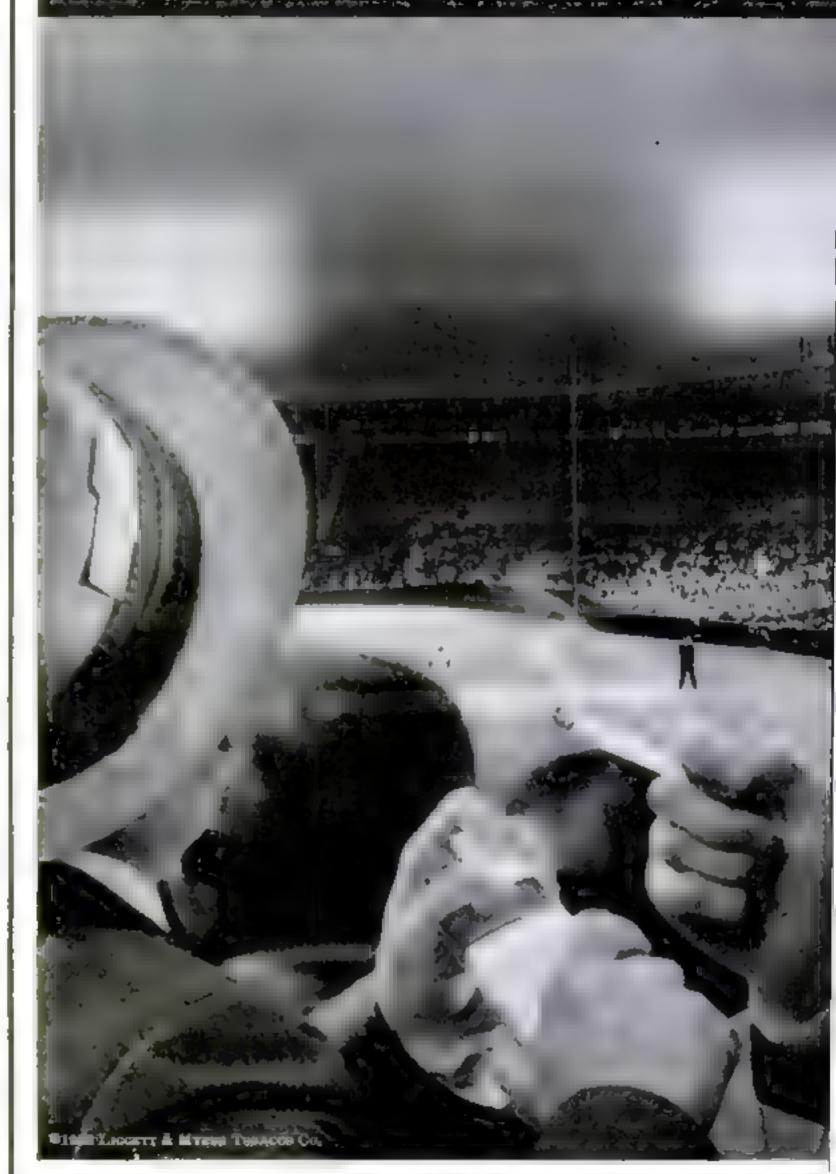
No dope at all. Tanny has made himself president of each separately incorporated gym, also president of the Management Audit Corporation, which sells financial and bookkeeping services to the gyms, and finally, president of the Vic Tanny Equipment Manufacturing Company, from which his gyms purchase their apparatus. Unlike some of his competitors who operate largely on a franchise basis, Tanny has personally financed and supervised all but one of his units. Night and day his mind is occupied devising ploys to attract customers. "I get half my ideas in the old sack," Tanny says. "The trick is to get to a telephone while the ideas are still hot."

For safety's sake, he has 12 telephones in his \$220,000 mansion in Beverly Hills. He owns three acres of hillside property, with

THEY SAID IT COULDN'I



"Couldn't be done, couldn't be done." They said the electric light with just a dream, but in 1879 Thomas A. Edison perfected the first practical incandescent lamp! Night baseball is one of the countless ways his invention has brightened modern living in America.



BE DONE & BUT HERE ITIS!

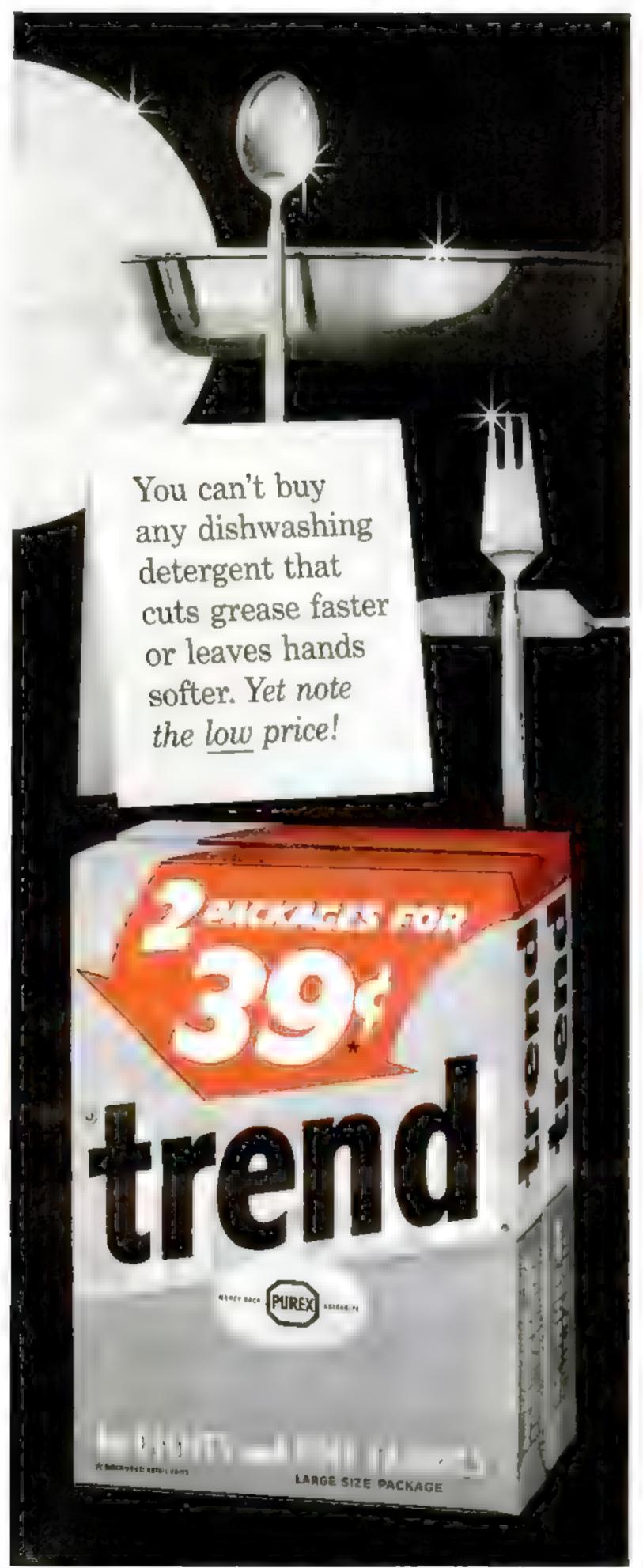
PUFF BY PUFF
TODAY'S L'M
GIVES YOU

Less tars Nore taste

They said it couldn't be done...a cigarette with such an improved filter... with such exciting taste. But L'M did it! L'M's patented filtering process electrostatically places extra filtering fibers crosswise to the stream of smoke... enabling today's L'M to give you -puff by puff—less tars in the smoke than ever before.

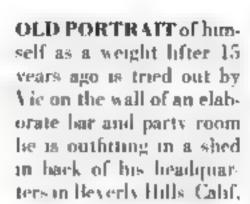
More taste! L'M gives you more of the clean rich taste of the Southland's finest cigarette tobaccos... best tasting smoke you'll ever find.





*Foir trade price or states post of Rocky Mountains keying feir trade tracy with past-signer provisions—suggested retail price in all other states and of Burky Mountains.

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HEALTH KICK CONTINUED

a kidney-shaped swimming pool and private gymnasium and playground for his four children. But he shrugs off most worldly possessions. He drives a white Continental convertible but says with

a shrug, "What is it really? Only a longer Ford,"

Tanny's advertising slogan is all-purpose and aimed at both sexes: "Take it off, Build it up, Make it firm," It is designed to appeal not only to plumbers but to housewives, grandmothers and even boxers. On a busy day at Tanny's the floor is crowded with members having half-hour workouts—thin and fat, young and old, firm and infirm. Standing before wall-length mirrors which reflect them under indirect lighting, they perform traditional exercises with chrome-plated bar bells to strengthen their biceps and with shiny dumbbells to build up their backs. On the floor others execute sit-ups, squats and side bends. Everyone is cautioned against overstraming, and grunts and groans are considered breaches of Tanny protocol.

A specialized leg-press machine is set off to one side for those with thigh problems. Plastic-covered incline boards are placed at strategic intervals. More complex and medieval-hooking equipment, such as pulley jungles and weighted overhead bars, is put near the center of the room. Brawny instructors roam the floor teaching newcomers how to use the equipment. Curious passers-by are met at the door by a manager who invites them in: "Have a free trial workout. Absolutely no obligation." The atmosphere is restrained and impercably hygienic, almost churchlike, as though each customer were saving not only his body but also his soul. A Tanny executive explains, "Our red carpet picks them up, our

Muzak lets them down and we wear them out."

The secret: volume

Twas as a boy that Tanny learned his basic principle of merchandising: "Volume is what counts." The second of four children on a family of Italian descent, he was brought up in Rochester, N.Y. and at the age of 4 began selling newspapers at a busy intersection. "I went on to win so many circulation contests." he recalls, "that they had to disqualify me to build up the confidence of the other kids. It was easy. I bought up the papers myself and distributed them free to people on my route. They got the habit and couldn't help subscribing."

His business ability was further proved in his father's tailor shop. "Boy, did I build him up!" Tanny remembers. "A guy comes in to have his suit pressed and I say, 'Press everything you got on for half a buck.' People thought I was a soft touch and came from miles around. With all that volume my father never

had it so good."

When he visited his first gym in Rochester, he remembers, "the place smelled like a locker room and it was so dark I could barely see my own muscles. But I sat there and thought to myself. 'Some day I'll own a bunch of these.' All I had to do was get rid of the stink and let in the light."

A weight lifter from adolescence, Tanny opened his own gym in Rochester in 1935, but volume was way below expectations.



This is the New Morolco Speedshaver the largest-selling electric shaver in the world!

Why pinch off whiskers when you can stroke them off with Norelco's rotary blades?

New velvet-touch luxury I Where it's razorblade close N reset is the easiest on year face. The new control skin stretcher in holds whishers erect for skin close snaves. New stroke of genius! Shown here in "X-ray" yiew beneath stotted statemery skin geneds are Norcleas rotary blades. They strokes if whiskers whichever way they grow,

New push-button cleaning! Easiest ever! Push the button and hip top heart syrings open to empty out whisker dust. Finite head easily removed for thorough cleaning.



Why more men choose the new Norelco Speedshaver for themselves

Your face never looked so clean, yet felt so good. And what an easy shaver to live with a you never have door it or sharpen the blades. Quictest of all leading shavers, too. And what a value of the Complete with handsome traveling case, \$24.95.

Also Nontillo Sportsman rons on flashlight batteries or ear lighter \$24.95. For the Ladies new Northero Debutanta \$14.05, or delaxe coubic header Lady Northeon, \$24.95. Both ac no



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A community playground with swings, slides, see-saws, and sand pile extends a real invitation to children for healthful outdoor activity



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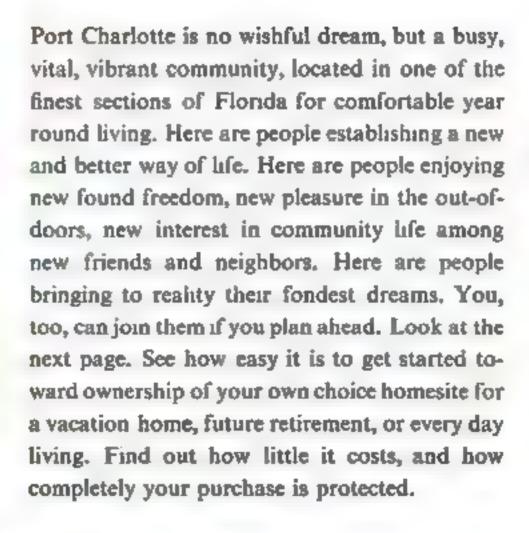
The county provides free bus service to the fine, modern schools in Punta Gorda Churches of 12 denominations and hospitals are also nearby



Gardening is a hobby with almost everyone at Port Charlotte, due to the year round growing season and fertile soil. Above: Garden Club meeting

YOU'LL SEE ACTION EVERYWHERE IN BUSY PORT CHARLOTTE

FLORIDA





The Shopping Plaza includes a 7-11 chain food store, barber shop, service station, hardware store, and Rad o and TV sales and service



"Ford and I are thrilled with Port Charlotte. We came from Dayton, Ohio... and like most folks, dreamed for years of making our home in Florida. Port Charlotte is the fulfillment of our dreams We have only one regret, that we didn't decide to come to Port Charlotte sooner."

—Mrs. Ford Hall



"We toured the entire State of Florida before we decided to settle in Port Charlotte. Perhaps we were too particular, but at least we know that your planning of the Port Charlotte community includes much more than most. We highly recommend Port Charlotte to anyone."

—Mr. & Mrs. Connell

Port Charlotte as it looks today from the air. Unretouched color photograph taken in June, 1958.

Port Charlotte is ideally located

Port Charlotte is ideally located on Florida's lovely southwest coast in a triangle bordered by the Peace and Myakka Rivers, and Charlotte Harbor, with easy access to the Gulf of Mexico. It is 45 miles south of Sarasota — 24 miles north of Ft. Myers — 2 miles from the thriving town of Punta Gorda.



Another MACKLE-BUILT COMMUNITY through GENERAL DEVELOPMENT CORPORATION, Miami, Florida

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land for only "cigarette money!" A high, dry homesite that can make your dreams of a future in Florida come true ... whether you use it for a vacation home. retirement, or every day living.

Imagine being able to buy a piece of choice Florida And it's so easy to do! Just fill out the coupon be- -\$10 a month, which includes 5% interest, *Corner low and mail with a \$10 deposit. As soon as your deposit is received, you will be sent a contract, and map showing the exact location of your property. After your first deposit, you pay only pennies a day

and waterfront loss additional.

Act now! Send the coupon today. Remember, the future belongs to those who plan ahead. Secure your future...in Florida. Reserve your homesite now!

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The old idea of Florida as a place where only the rich could live has been shattered by the vision and foresight of three brothers, Elliott, Robert, and Frank Mackle, They are all native Floridians. Their company has been in business fifty years. Together, they originated The Mackle Plan and became the largest community planners and builders in Florida, if not in the nation. Study The Mackle Plan carefully and see for yourself how it enables you to share in Florida's fantastic growth for only pennics a day,

THE MACKLE PLAN:

- Mackle buys land in large tracts—gains the advantage of the low cost such large scale operations assure.
- Mackle has vision. More than a half-century of experience enables Mackle to estimate when and where property will be ideal for development.
- Mackle works out a master plan for an integrated community, with areas set aside for shopping centers, parks, playgrounds, and other community and recreational facilities,
- 4 Mackle sales costs are low. This great value brings increased sales, and volume sales mean less cost per unit,
- Mackle profit-per-sale is really low. The Mackle principle, like the chain store or supermarket, is to sell in quantity at the lowest price consistent with quality.
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30 DAY MONEY BACK GUARANTEE

Your \$10 deposit is protected by a 30 day unconditional money back guarantee. Your deposit will be returned without question if you so much as ask for it.



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Port Charlotte Division General Development Corp. P.O. Box 45-465 Miami, Florida

described in this advertisement. I enclose \$10 payment on each. Rush map showing location. My deposit will be returned promptly and without question if I notify you within 30 days.

(Please print giving name exactly as you want it on purchase contract)

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. . . is the key for white and colorfast cottons and linens that need hot water, vigorous washing action. Fast spin extracts so much water they'll dry quickly.

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The only washer with 5 separate, pre-set cycles to give all your washables custom care—automatically!

For every-week laundering . . . or once-in-a-while loads . . . only the new G-E 5-Cycle Filter-Flo Washer has an automatic cycle to fit all your washing needs.

Just touch one key—turn the dial to the matching number—you get just-right care for your wash!

PLUS: Big capacity; Cold Water Wash; Rinse Dispenser; Suds Return (optional); G-E Written Warranty; in colors or white. At your G-E dealer's, with matching dryer.



NO-LINT-FUZZ WASHING because the famous, time-proven Filter-Flo Washing System cleans and re-cleans the water constantly. This filter is dependable, can't clog or impede water flow! A handy detergent dispenser, too.

HEALTH KICK CONTINUED

He moved west and in 1940, on \$700 in savings and a \$200 bank loan, he set up shop in Santa Monica, due west of burgeoning Los Angeles. Pickings were lean during the war years—"most of my customers went into uniform and got all the exercise they needed"—but in 1948 he opened a branch gym in Long Beach and he was on his way.

Tanny's standard charge for a year's membership is \$60 on the West Coast and \$125 in New York, where costs are higher because of newer and fancter facilities. But the individual gym manager has plenty of latitude for negotiation. A hesitant party may be granted a two-week free membership as a come-on, or a wife may be admitted at half fare if her husband has paid the full price.

"I want to provide a country club atmosphere for the price of exercising," Tanny says, explaining the fancy trimmings of his gyms. But in his view all added inducements are extraneous to the business of bodybuilding, and he has no intention of letting

his customers forget it.

From the start his members of all ages and both sexes have been expected to lift, push or pull weights. Tanny has never subscribed to the widespread notion that physical problems could be "relaxed away" on mechanical equipment, "You gotta work for anything you get out of life," he says. But he does do his best to camouflage the weights with chrome plating. The equipment is adaptable to the 24 Tanny-approved exercises, from which a new member's regimen is devised after measurement and analysis by the gym staff. A six-month course is prescribed with half-hour sessions three times weekly and a gradual increase in weight load. Once the desired set of body measurements has been reached, the member is left to exercise at his own pace, but he is cautioned against relapsing into his pre-Tanny condition.

An unexpected inconventence

VEN Tanny is occasionally taken aback by the results attributed to his gyms. Last winter a California woman threatened to sue on the basis of impending maternity. She claimed that, after 15 years of childless marriage, she had unexpectedly regained her fertility on the very day she enrolled at Tanny's. Since this was not part of the written contract, compensation was asked for the inconvenience, but Tanny successfully argued that his gym could not be held responsible.

Instead of claiming miracles, Tanny leans toward orthodox selling. He has drawn up a list of six basic steps for boosting business: "1) Get attention. 2) Arouse interest. 3) Make them want it. 4) Offer a special deal. 5) Close the appointment. 6) KEEP THEM SOLD." These rules are given in a series of mimeographed instructions. The following is recommended for telephone procedure:

"I am very anxious for you to come in today because as you know we have had a special offer (state current TV offer) and when it started I was issued 25 cards to meet the demand. However, they have gone much faster than I thought they would and I have only a few cards left. What time would be best for you this evening?" (If you fail to get an appointment that day, then—)

"Mr. (Mrs. or Miss, Name of Patron), I can see it is impossible for you to get in (today or this evening), but I do not want you to miss this great offer. So I am going to hold for you, with no obligation, one of the special cards until tomorrow. So when will it be convenient for you (morning or afternoon)?"

"(If you fail to get an appointment, then take a gun out of

the desk and shoot yourself)"

Newly recruited members can expect visible results within a matter of months if not weeks. Tanny cites the case of a scrawny housewife whose alcoholic husband called it quits because she had lost her physical appeal. The next day she happened to catch a Tanny commercial on television and decided to sign up for the sake of their four children. Three months later the husband returned home and was thunderstruck by her metamorphosis. He proposed instant reconciliation, but she had become willful enough to set her own terms; her mate must also enroll at Tanny's. He surrendered unconditionally and—here the music swells—joined his wife's gym at half price

With such spectacular results Tanny seeks an ever-greater army to march beneath his banner. To re-enlist those members who have joined for only a year, Tanny has distributed "life conver-

sion procedures" to his staff:

"Invite them into the office. John, you have a positive attitude about exercise. If you have a couple of minutes I would like to show you how you can keep in top condition."

"Scat the member in the office. Never pitch the member on the floor. John, as you know, the regular price for a life membership

LIGHT and
MILD as a cigarette
MELLOW and satisfying as a cigar
The BEST of both rolled into one

Robt. Burns Ligarillos

You get a welcome change when you smoke a Robt. Burns Cigarillo because of a wonderful Robt. Burns discovery—Smooth Smoke* Binder Tobacco. It's a new veinless form of tobacco made smoother to smoke milder.

That's why a Robt, Burns Cigarillo is so pleasant tasting, so refreshingly mild. This very day, for a change of pace, try a Robt, Burns Cigarillo. Just 5¢ each . . . and in handy crushproof five-packs.

'T M. Gen. Cig. Co., Inc.



its fun to ricle Santa Fe the train



Relax in luxurious surroundings. Meet interesting new people. Dine on world-famous Fred Harvey food. See spectacular scenery. So come on along on Santa Fe... for the fun of it!

Pullmon-chair car train Hi-Level-c
Daily between Chicago and Las Angeles.

Hi-Level-chair car train

The Walter

Pullman-chair car frain between Chicago—Los Angeles Putiman-choir car train

between Chicago—Texos

Sam Berneman Chief

Pullman-chair car train between Chicago—San Francisco

For reservations, phone any Santa Fe Traffic Office or Travel Agent.

HEALTH KICK CONTINUED

is \$339. But we were issued 15 free promotional lifetime memberships to give out to present members. So far we have issued 13 of the 15. The two cards I have remaining I was holding for Mrs. Jones and her husband. She wanted me to hold the cards for her. . . .

"I can't hold the cards any longer, and if you want to take advantage of one of these cards, I'll let you have one because I

have to send my records in to the office,

"This being a special promotional life membership, the only

cost to you is a \$50 service charge. . . .

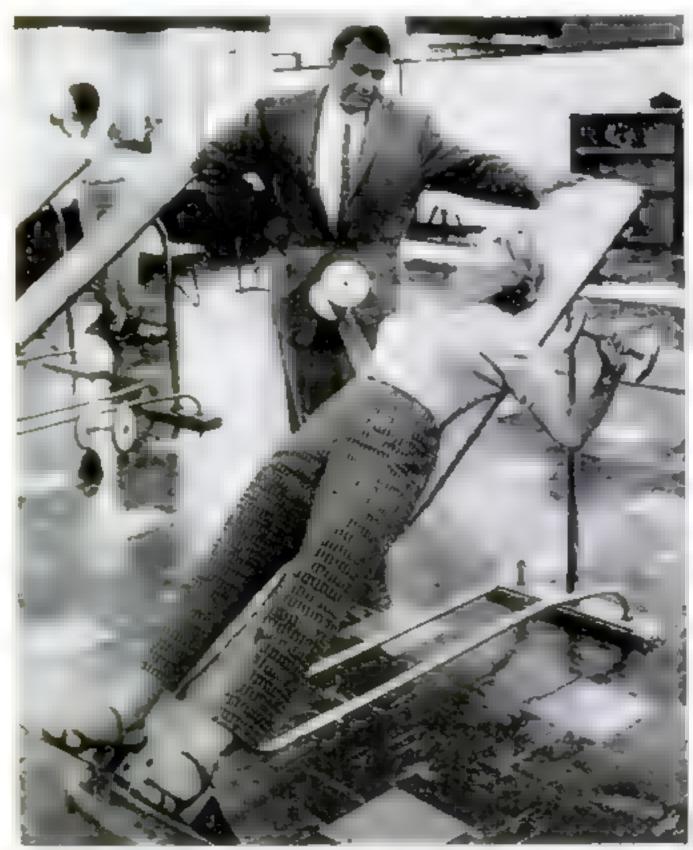
"'How would you prefer to pay this service charge—by cash or by check?'"

Tanny's most devoted lifetime disciple is his own mother. She is a spry, gray-haired woman who followed her son west from Rochester and received a complimentary lifetime membership. Alarmed when Vic first started weight lifting—"I was afraid he might strain hunself"—she has been fully converted by his example. She works out faithfully every Monday, Wednesday and Friday at 10 a.m. in his original gym in Santa Monica, which is now reserved for women on those days. At 66 she pulls 40-pound pulley-operated weights. "Everybody should do it," she says. "I feel half my age. I wouldn't miss a workout for anything."

But Mrs. Tanny admits to maternal qualms about the way success has affected her son. "In the old days he had a lot of fun too, but now his whole life is his work. I go up to his house every Sunday and we sit around his pool talking about the gyms."

Tanny says that he will not rest easy until he has 1,000 gyms in 300 U.S. cities. "Then I'll put out a stock issue," he says, "and get fat on capital gains." He plans to expand overseas and is thinking of a pilot gym in Brussels. On the other side of the world he regards Japan as a favorable area despite the need to scale down his apparatus to the size of the populace. He has also investigated the prospects on Guam, which he calls "very promising."

A staunch patriot, he believes that by spreading himself throughout the free world be will bring on a major Communist defeat in the cold war. Tanny is dreaming about a show of force in the Los Angeles Cohseum. In exercises and gymnastics a massed army of U.S. disciples would demonstrate the potential benefits of joining a worldwide Tanny crusade. The lesson would not be lost on the Soviet Union. "I'd make those Russians sick to their stomachs," Tanny says enthusiastically. "For months afterwards their spies would be snooping around my gyms, trying to figure out how the hell I did it."



OLD CL STOMER, Vie's mother, Angela Tanny, 66, chats with her son in Ins. Santa Monica gym as she works out on incline hoard with 2½-pound bar bells.

BUFFERIN

Twice as fast as aspirin for millions! Even faster for many others!

Clinical tests prove that for pain of headaches, neuralgia, cold miseries and muscular aches... Bufferin gives you...

Fast Relief! Bufferin acts twice as fast as aspirin for millions of people, even faster for many others. For Bufferin contains Di-Alminate*, an exclusive combination of anti-acids. Added to the world's finest aspirin, these anti-acids literally rush the pain reliever into the blood stream where it must go to relieve pain.

Long-Lasting Relief! And with Di-Alminate, Bufferin's pain relief is long-lasting, too. Even an hour after dosage, Bufferin still has more pain reliever at work in the blood stream than has aspirin.

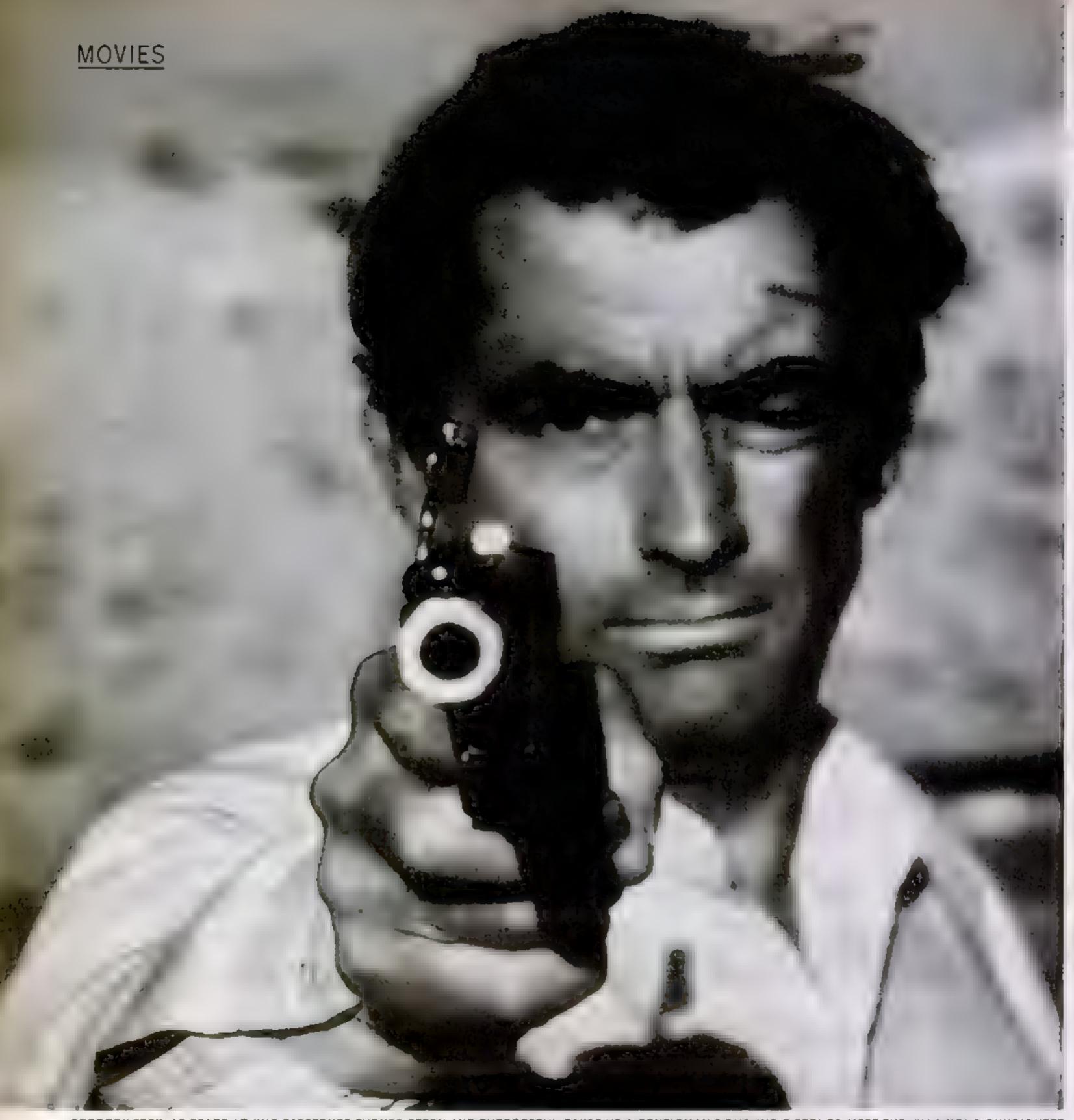
Safe Relief! All aspirin is acid. Chemically it is known as acetylsalicylic acid and can upset the stomach. But Bufferin's Di-Alminate is anti-acid. It counteracts acid; prevents aspirin irritation of the stomach. And unlike many remedies, Bufferin contains no nerve-jangling, sleep-disturbing caffeine.

Bufferin
won't upset
the stomach
as aspirin often does









GREGORY PECK, AS PEACE-LOVING EASTERNER TURNED STERN AND PURPOSEFUL TAKES UP A GENTLEMAN'S DUFLING PISTOL TO MEET THE VILLA NOUS GUNFIGHTER

A Fine, Big, Brawling Western

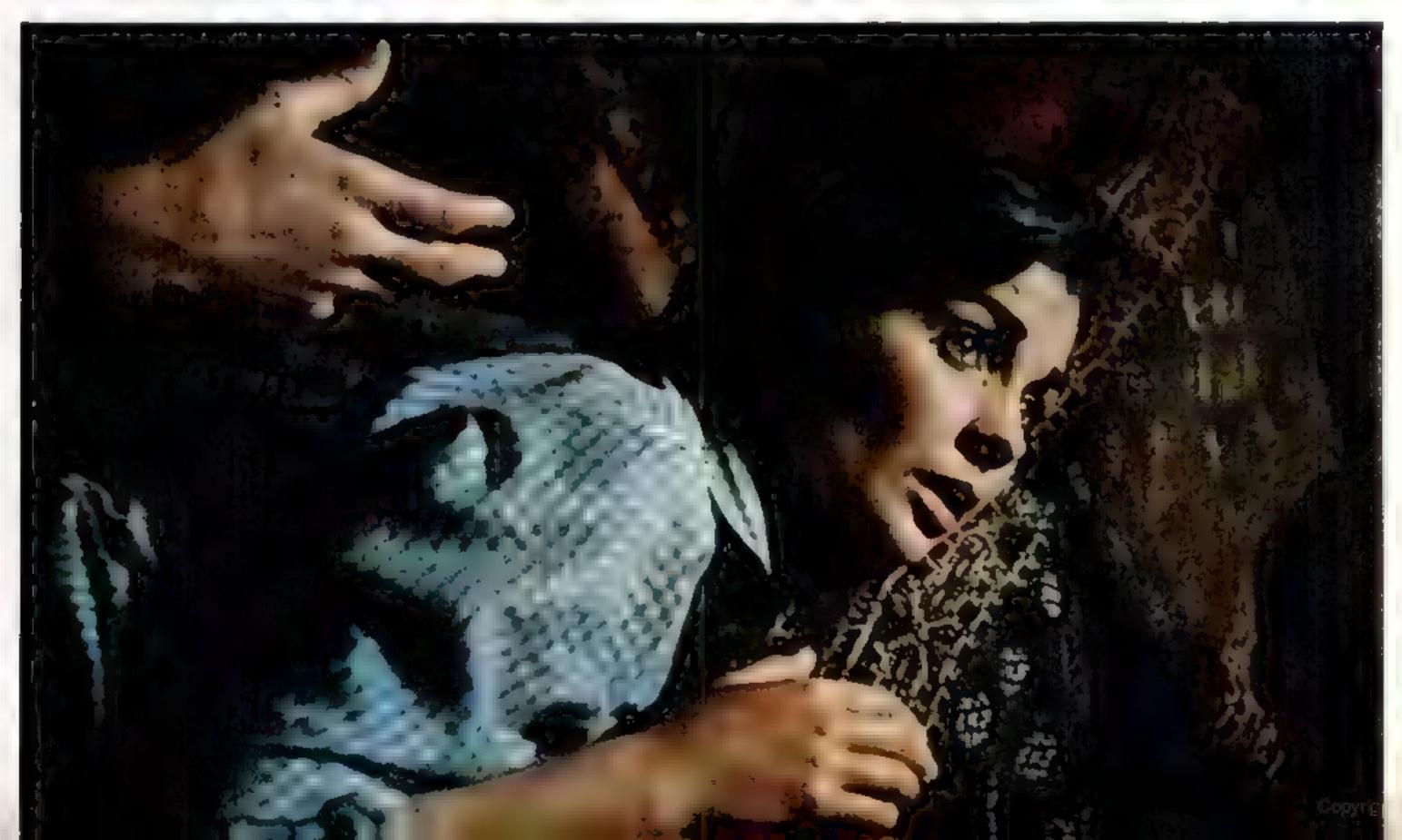
Now the flig Country Las on e to jet Sharo and Gornt among the great outsized west in Lins of recent years. It is full of love for the Texas land that rolls may out tile. That is to the Lin zon off of the Texas land that rolls may out tile. The to the Lin zon off of the Characters who browness plot. Made by Wyman Wyor for United Artists the United soft a gent of base rice name. Jan es McKay who hates violence the comes west to marry a Texas girl and promptly becomes involved in the plots of her trigger tempered father. Major Terrill, against the neighboring Hannassey clan. At stake is a ran to wheel by a lovely schoolicacher.

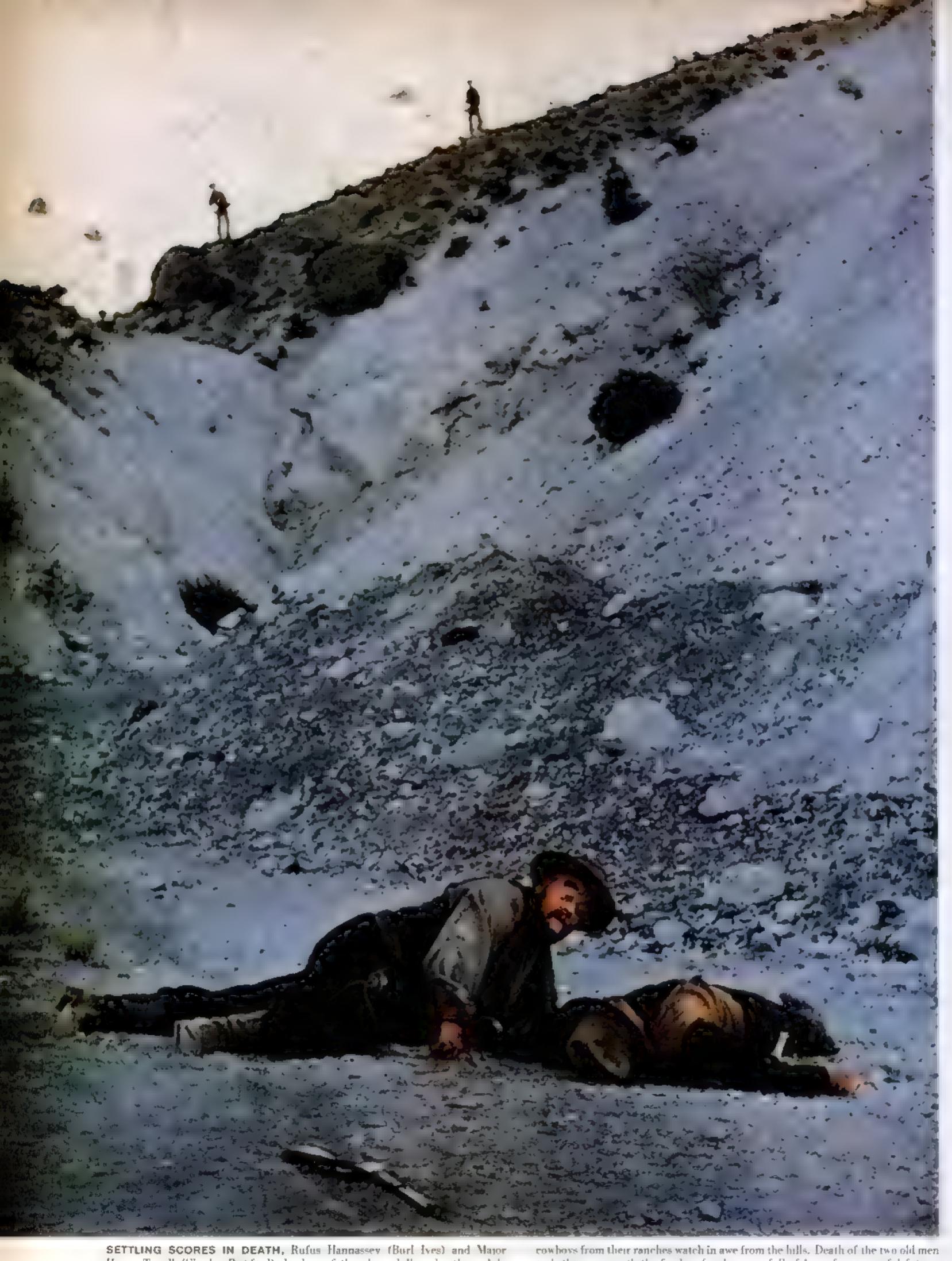
MKey is noted one. He I thin the sum rate by requirensing cowboys the first one dealers a locally because put the creative breaks he have a a freshelf of the rate by key min. He accept miss the freshelf of the first of the fir



IN NIGHT OF FIGHTING ranch foreman. Steve Leech (Charlton Heston) takes punch from McKay. At end extrusted McKay asks. Theore what did we proved

IN NIGHT OF TERROR scheduce or John Mingen dem Sonners) taken hostage by the Baranassevs, lights officer evolution for his above sixes because of the same of the

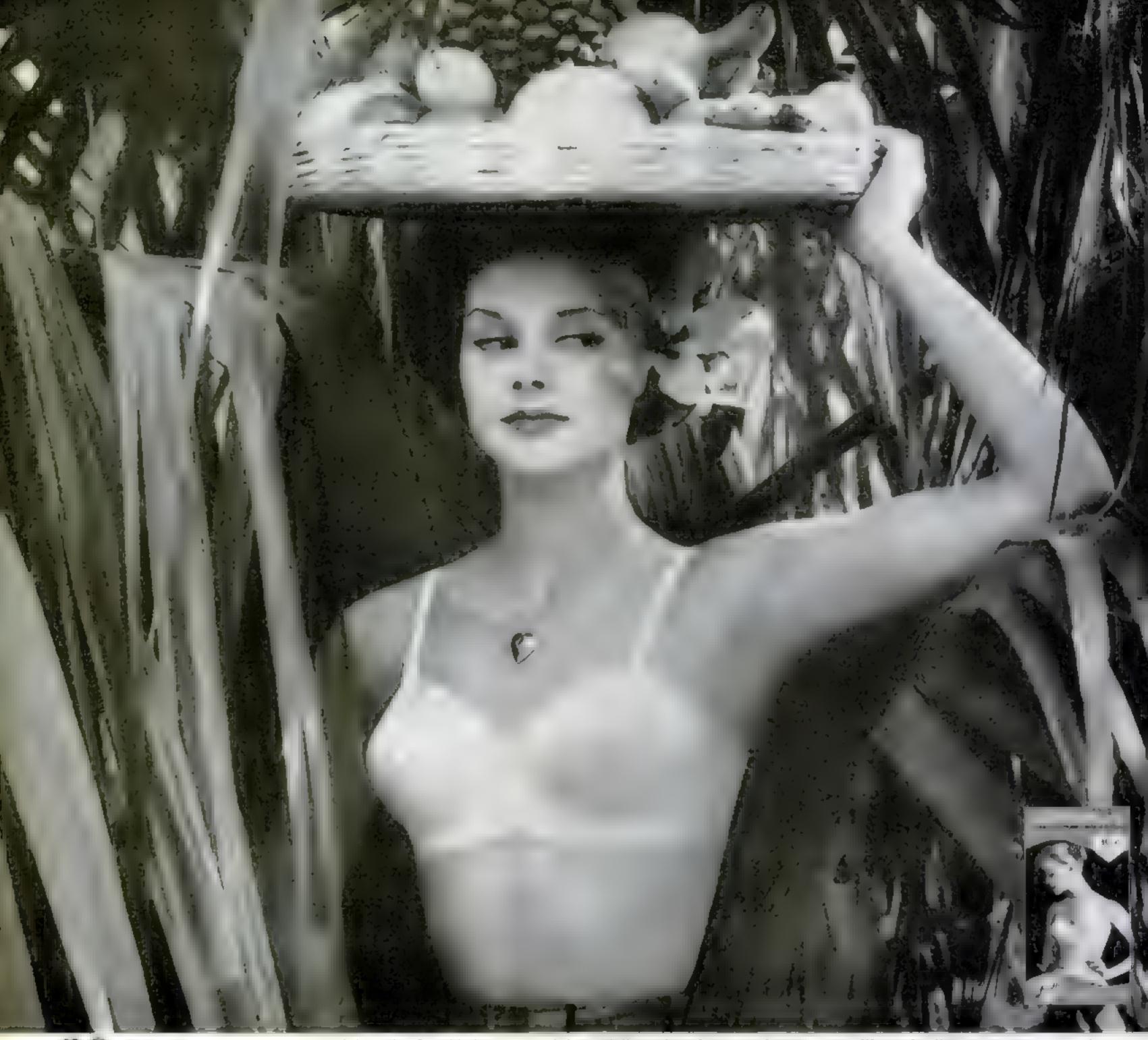




SETTLING SCORES IN DEATH, Rufus Hannassev (Burl Ives) and Major Henry Terrill (Charles Bickford), leaders of the clans, kill each other while

cowhovs from their ranches watch in awe from the hills. Death of the two old men ends the movie with the feuding families now full of hope for a peaceful future







a Lovable bra is luxury ... for so little!

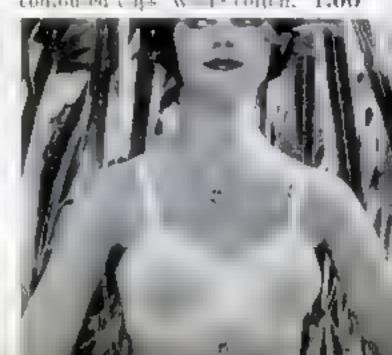
"RINGLET" chancles you in beauty. White or black cotten, pylor, 1.50 'ACTION' los Con a gang dacron lastex all around, Cotton 2.50. We beam contoured



BUALIFT dual action straps lift you, state of the firm you Wilter cotton, 1.50 contoured caps Willer cotton, 1.00



'BEAUTY PLUS' pre-laped our





Welcome for a Troubled Beauty

LONG ILL, GENE TIERNEY GETS BACK TO HOLLYWOOD

Looking happy, relaxed and as exotically lovely as ever, Gene Tierney came back to Hollywood last week after four long absent years. Starting at her old studio, 20th Century-Fox, which had continued her salary all through her absence, she toured movie lots on which for 18 years and in 25 major films she had been one of the brightest stars. She was, she said, "letting people know I am back in town and available for work." And everywhere she went top executives, directors, actors, carpenters came hurrying to shake her hand or hug and kiss her and welcome her home.

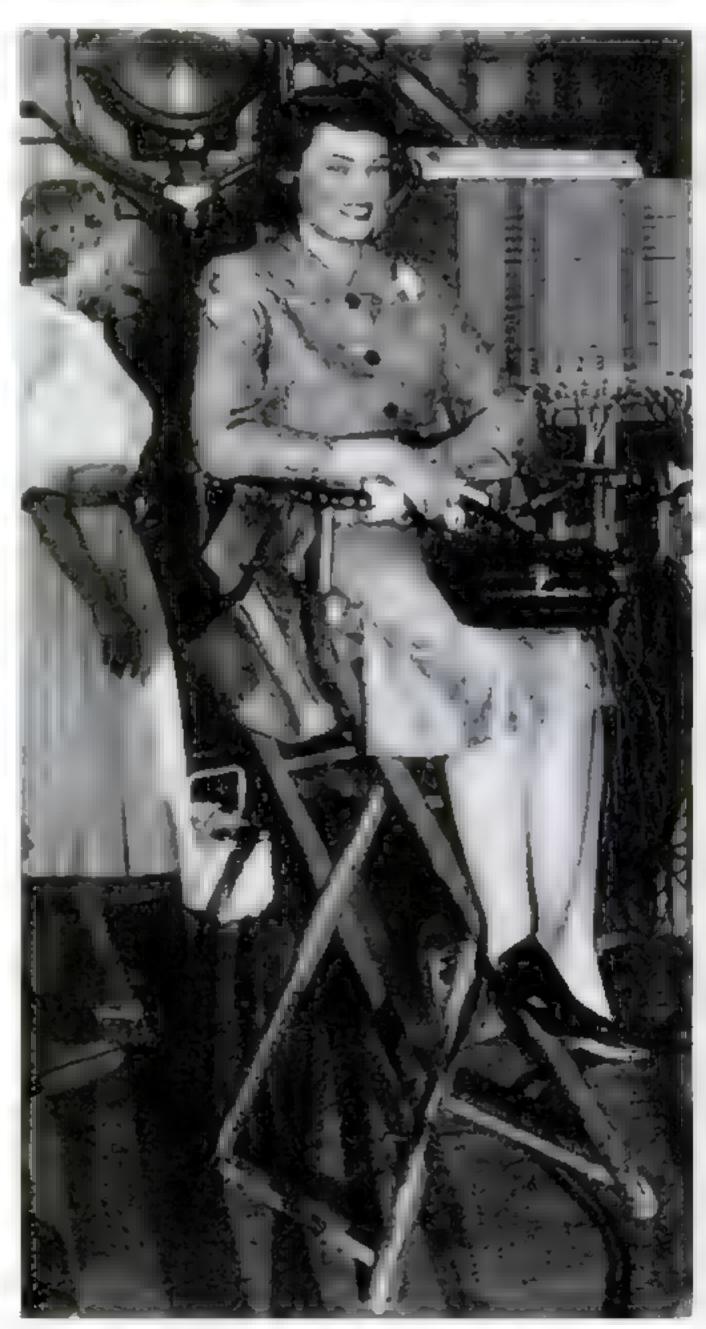
To those who asked, Gene, who is now 37, spoke with easygoing directness about where she had been-burdened with personal troubles, she

had broken down. She had spent one and a half years in the Institute of Living at Hartford, Conn., a mental sanitarium, then gone into seclusion, then had been for eight months at the Karl Menninger mental clinic in Topeka, Kan. "It was a time," she said, "for rest and quiet and there were many wonderful things-doctors, other patients. And I found a new pleasure in reading. The words began to mean more than ever before," and she recited Shakespeare's sonnet, " When, in disgrace with fortune and men's eyes, /I all alone beweep my outcast state, /and trouble deaf heaven with my bootless cries, /and look upon myself and curse my fate' "Then she said, "But I was most fortunate. My illness was curable."

TROUBLED BEAUTY CONTINUED



ON COLA MBIA LOT Gene is bussed by Sam Briskin, chief of studio operations. "You haven't changed a hit," he said. "Let's find something for you."



AT 20th CENTURY-FOX Gene climbed into tall chair used by cameramen for an over-all view of set and watched renearsal of movie. Sound and Fury.



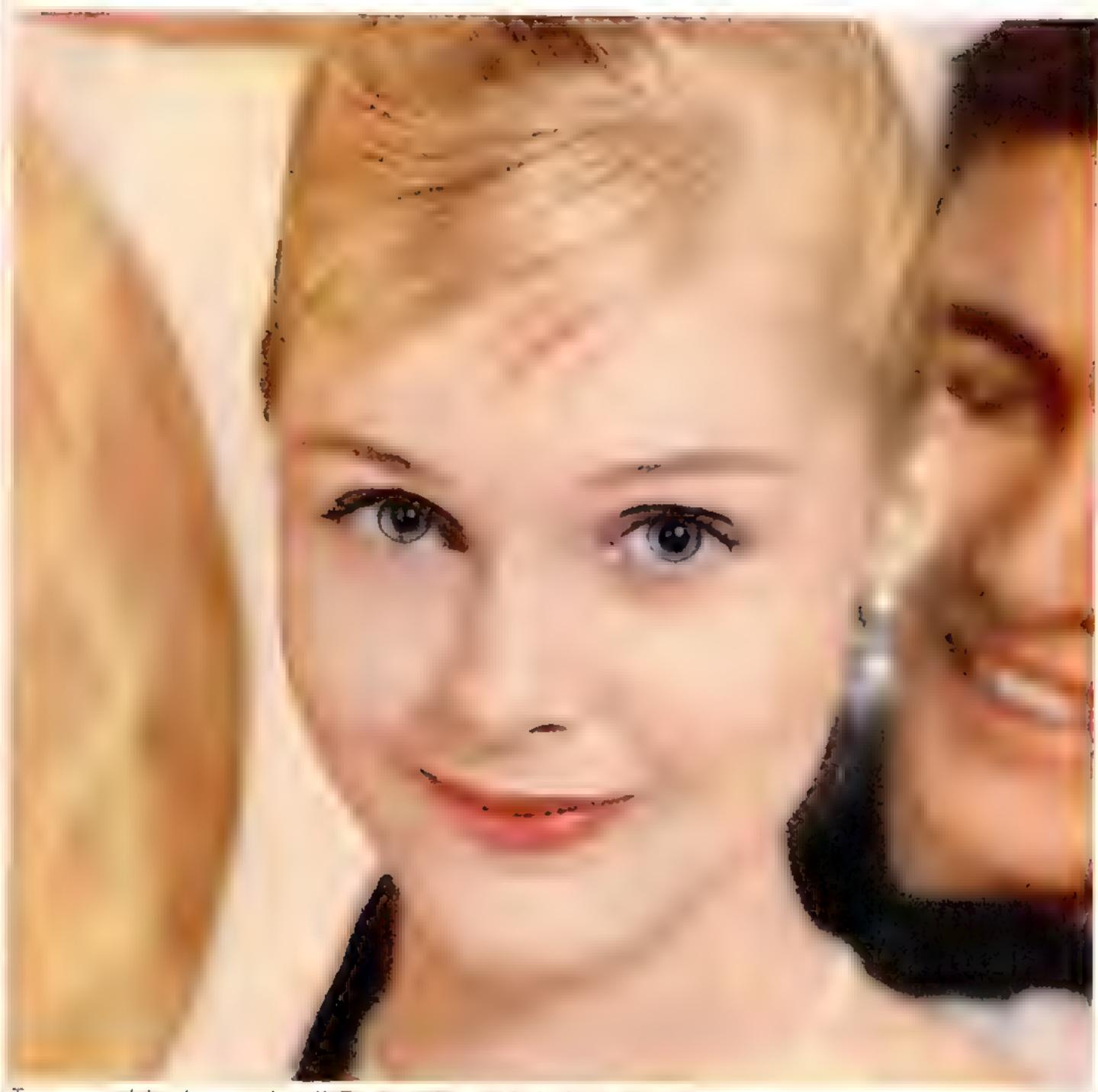
for couples who don't want to work after work

Why work, mixing drinks... when you can serve superb cocktails by Heublein almost without budging from your chair? Heublein does everything but scare up the ice... provides your favorite cocktail mixed to perfection. Just stir with ice and serve. Or enjoy on-the-rocks.

NEW-BETTER THAN EVER!
ALWAYS READY TO SERVE
MANHATTANN 65 proof,
made with private stock
bended whiskey and
finest vatted vermouth
EXTRA DRY MARTINIS
75 proof. And 8 other
popular kinds.
G. F. Heublein and Bra.,
Hortford, Conn.

SMART IDEA pour over ice, straight from the bottle.

you've got it made with
HEUBLEIN COCKTAILS



Teen-agers! Look sensational! Real med cated help for troubled skin...

SCRUB SET

- 1. CLEAN! / A NY 0. 4 7 1 11 1 8 1 2 1 1 1 1 1 1 1 8 5 1 5 1 1 1
- rysk of , thre 2 CLEAR 10 7 18 . 1 . 1 . 1 . 1
- 3 MEDICATE IN TO OFF COMP , C 22-8 PF 7 C IMPORTANT . So r Solf I e .

For beauty the market way Dorothy Gray



SMOKERS! NOW MAKE YOUR

TIRED TASTE BUDS BLOOM AGAIN!

Note, your tired taste buds, dulled and faded by fatigue, can be restored to full, vivid flavor consciousness, in seconds...to make your next smoke taste better, smoke after smoke after smoke after smoke.



WEW!

not a cough drop...
not a candy...but a minty,
medicated mouth-andthroat freshener,
special for smokers.





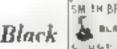
FRESH NEW smoking pleasure!



Until now, no smoke has ever tasted as vividly fresh, as downright pleasurable as the first flavor-full puff at breakfast. Why? Because then, rested taste biids actually bloom, are at their peak of taste-sensitivity. Now you ean keep them that way, smoke after smoke, with Smith Brothers new Smokers Drops. Their special medication moistens, soothes your mouth and throat. Their refreshing mint flavor cools taste, sweetens breath. Make your next smoke taste better . . . with Smokers Drops . . . new from Smith Brothers, Only 9 calories per drop, Try them, today! At tobacco counters. drug stores, supermarkets, everywhere.









Menthol Symbolic and New Assorted Fruit Cough Drops



In Fine Whiskey

FLEISCHMANN'S IS THE BUY



90 PROOF is WHY!

Most blended whiskies today are no more than 86 Proof. But Fleischmann's is a full 90 Proof! This is why you get more flavor—more enjoyment—more satisfaction in every drink.

Even more—Fleischmann's sur-

prising mildness and exceptional smoothness tell you that you're getting the highest quality in every bottle. Top this off with Fleischmann's rare value, and you'll agree that Fleischmann's is America's outstanding whiskey buy today!

BLENDED WHISKEY - 90 PROOF - 65% GRAIN NEUTRAL SPIRITS THE FLEISCHMANN DISTILLING CORPORATION, NEW YORK CITY

TROUBLED BEAUTY CONTINUED



ON EVE OF ILLNESS in 1954. Gene and Aly Khan attended an official party in Nice. They are still friends and have direct together since her recovery.

PEOPLE WERE SO KIND'

The birth of an abnormal boby in 1943 was Gene Tierney's first wound. While pregnant she had entertained troops at the Hollywood canteen and immediately afterward came down with German measles which had a disastrous effect on the unborn child. (A year later she met a woman Marine who burbled on about what a wonderful show she had given. Then the Marine asked, "You did not happen to get measles afterward, did you? I so wanted to see your show that I broke quarantine to come.") Afterward Gene had a second, wonderfully normal and happy daughter. But other blows fell—the breakup of her marriage to Dress Designer Oleg Cassini, a love affair with Aly Khan. Even earlier, however, she had begun to draw into herself and shut the world out.

Now she says, "My illness was something I was responsible for. It was my own fault, not the fault of anyone else. The trouble was my lack of understanding of what I could cope with and what I couldn't cope with. I learned that 'carrying on' while you're broken is not the answer. But for a long time I just worked harder and harder, thinking that work would cure everything. And all it did was make it worse.

"But people were so kind," she goes on. "There were so many letters. Re hard Widmark would write saying that if I did not hurry back soon there would be nothing for us to play together but Pa and Ma Kettle. More than anything, I learned that the mind is the most beautiful part of the body and I am grateful to have mine back."



VISITING A NEW STAR at 20th Century-Fox, Gene found Joanne Woodward at a favorite hobby—salving algebra problems. They tasked mathematics.

FAMOUS COLOR AUTHORITY, MADAME HELENA RUBINSTEIN SELECTS KAYSER HOSIERY COLORS





FOR THE PRETTIEST LEGS IN THE WORLD!



The most glorious gams will be in technicolor this Fall and the "livingest" colors of all are the Kayser Perfection Colors, eight top fashion shades, personally selected by the world's most famous beauty and color authority, Madame Helena Rubinstein. She says color on legs should be tones not easis, that a color must be seen in the sunlight and that all women should discover the fashion fun of wearing Kayser stocking colors. Kayser stockings fit like a Kayser glove, wear superbly and you'll find them at big and little stores everywhere, here in America and in Canada. 1.35 and up.







KAYSER Perfection Colors and a collection of toe-tip nail enamels specially created to match and blend with the stocking colors were previewed to the Press in Paris at Madame Rubinstein's "Moulin" and shown at the famous couture houses of Jean Desses, Jacques Griffe and Serge Matta.

SELECTING KAYSER HOSIERY COLORS.









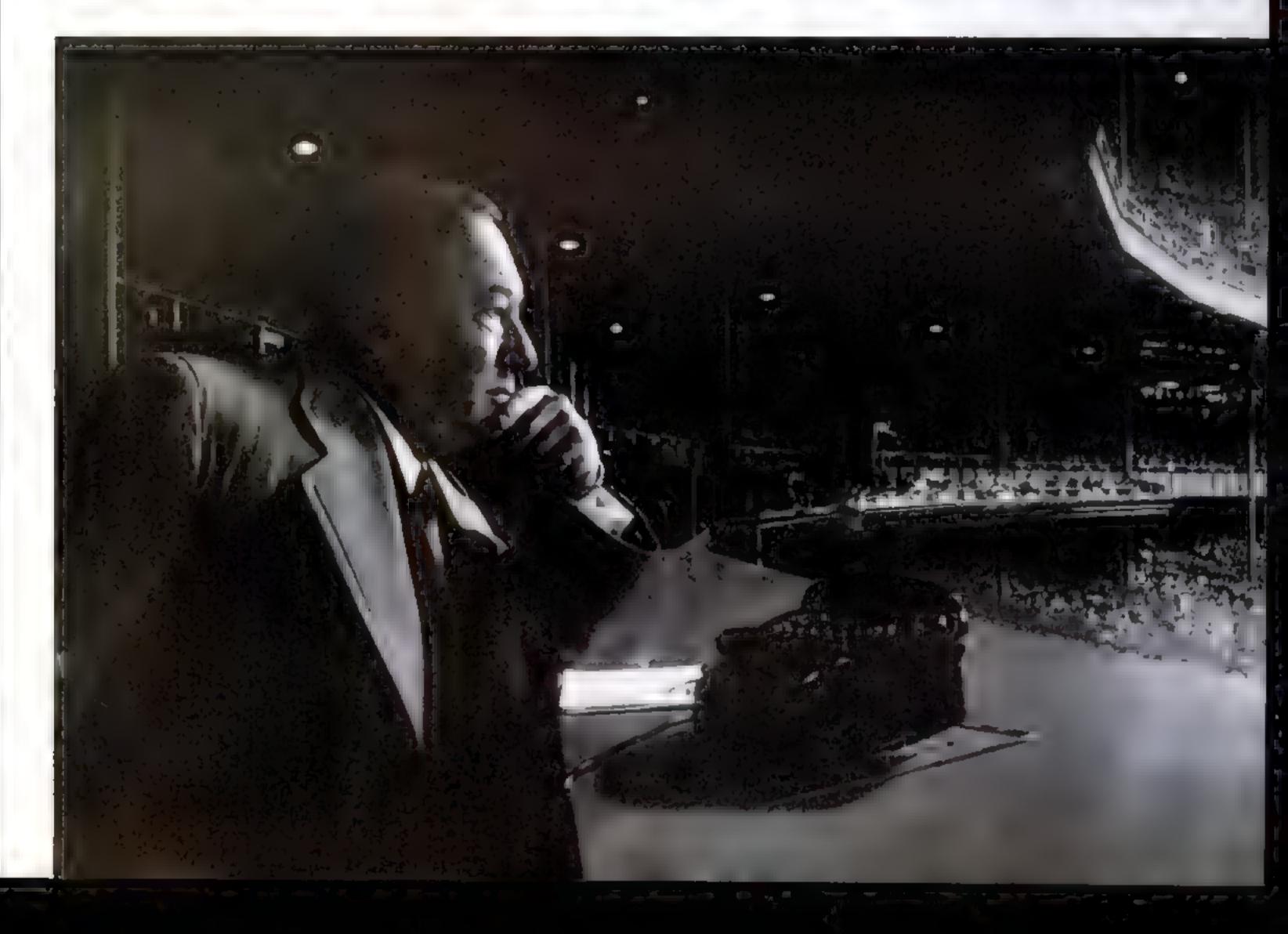


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Skewin Berts Rolling in Jerry Land Mily

Premier Tree Cus Mark Laurs Jan Perintel poles John Kucks Art Dien

THE ORGANIZATION MEN



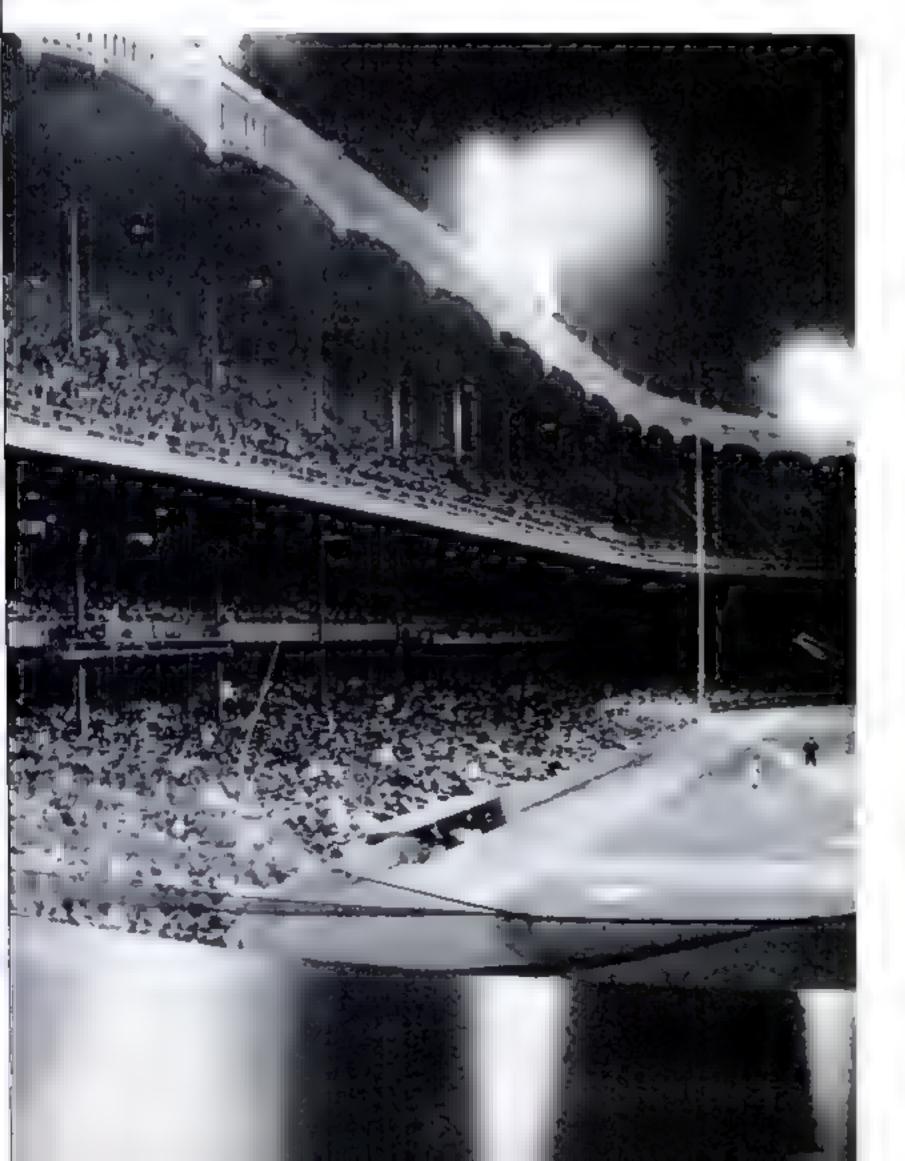


Roh Tar ev. Ryne Duren, Don Larsen, Manager Sengel Yogi Beren, Elston Howard, Duke Mass,

Whitey Ford, Virgil Trucks, Wirris Di Loo Babba Shantz, Ziek Monroe, Darrell Johnson, New Soc

win Unos Singuiter, Mirkey Mantle, Hank Bass Amist Lon Sturdivant, Coach Frank Crossifi,

OF BASEBALL



Tradition and George Weiss shape Yankee players and team success

Photographed for LIFE by GEORGE SILK

By new Obert it has west to regult appreciates the new measurement the ample of who has II has affitted as a little of a little of the company losts and males the of an emperior and less of an individual but to 12 less of

It is listed so that a list of the count Year of a survival on or in the can as shaped both their playing and then I inking and one stime of them with the Yanke. It demark Sometimes i player will break out of the mold—is a switched to the ratio. This year spennant. If it is just high some illustragiven that it it is rebellion, the player may find times if on another team. A player coming the other way hirds he gains more than be gives up in becoming a Yankee. Pitener Duke Maas traded to New York from Kansas Caty this year, says, frey expect more of your hire. Without knowing exactly with he discovered to was giving nor.

The man who expects—and gets—most out of the Yarkees is its organizational geneas, General Manager George Weiss. He gets it up and down the amotron Cases Stengel lightly us fineup at the Stadium to the securis in the saudlots leoking with missionary zeal for new talent. He even gets it from the Stadium pround crew which claims an unofficial league record (one innote, four seconds) for covering the infield with targethins.

The rest of the league finding Yankee efficiency impossible to heat, has mistakenly attributed the team sources to money the neral Manager Weiss attributes if to organization and to hear one down. But if this wins pennants, it also presents a probain. Success has taken the suspense out of the race and makes caccoung for the Yankees somewhat like cheering for U.S. Steel.

Salada One Property In the Control of the Control o





YANKEE OWNERS, Dr. With high at Dan Looping, go on feed members a construction, distins-

THE TOP MEN, TOP TROPHIES

Zelic i no vorgenized came to the Yanker organization no vorgenized came to the Yankers 20 years ago to build a farm system and stayed to become general manager. He knows the citius and fealts of every Yanker player. At 64 he works are lessly and after is to infinite betal. During games be stratches notes on plank on veloces he carries in his poeket. These become memos, signed "G-VI-W." thirst two names are beorge Martin), and get quick attention. He rads every letter all ressed to the eleberon tanning a companial or suggestion and makes tertain it is answered. "There's always somesting that can be improved to a says."

Werse has hand-picked as a cwl stad, from Manager Casey Stengel on down to solect, teach and manage his players. Quick-spoken lices sometimes known as "Lonesome Georgial hough on its a warm man who childs charation in grayers at home he keeps for a director percentage.)

◆-SYMBOLS OF YANKEE GREATNESS

A selection from George Weiss's personal souven is includes tokens from each Yankee champronship since 1932. Starting top left and forming a partial border are Yankee press buttons for 17 World Series, 1932-1957. Second from left in bottom row is button commemorating Yankees' 1955 trip to Japan. Four rings on left border are gifts from baseball commissioner's and league offices to Yankees for titles of 1955, 1953, 1932 and 1947. Above is lady's pin. Christmas gift from Yankees to employes. Cuff links (left of compact). and tie clasp (to right) are 1957 league presents. Compact (center) was club's 1950 Christmas gift to women employees. Watch was given by commissioner in 1937. Belt buckle to right of watch was present to Welss after 1955 pennant



N TERRACE OF HIS HOME GENERAL MANAGER WEISS GETS A FRIENDLY NUZZLE FROM PODDLE YANKEE



MEETING WITH MANAGER, Wers and his quality Player Personnel Director Lee May Provide his

r do Carco Stones coa dos Weis MicPhan und Sterocholdele tempon locique proden



INSPIRING A BOY, Scout Joe McDermott tells, ocal coach about Butchie Smith of Banctoft Ica.

BUSY SCOUT'S TALENT TESTS

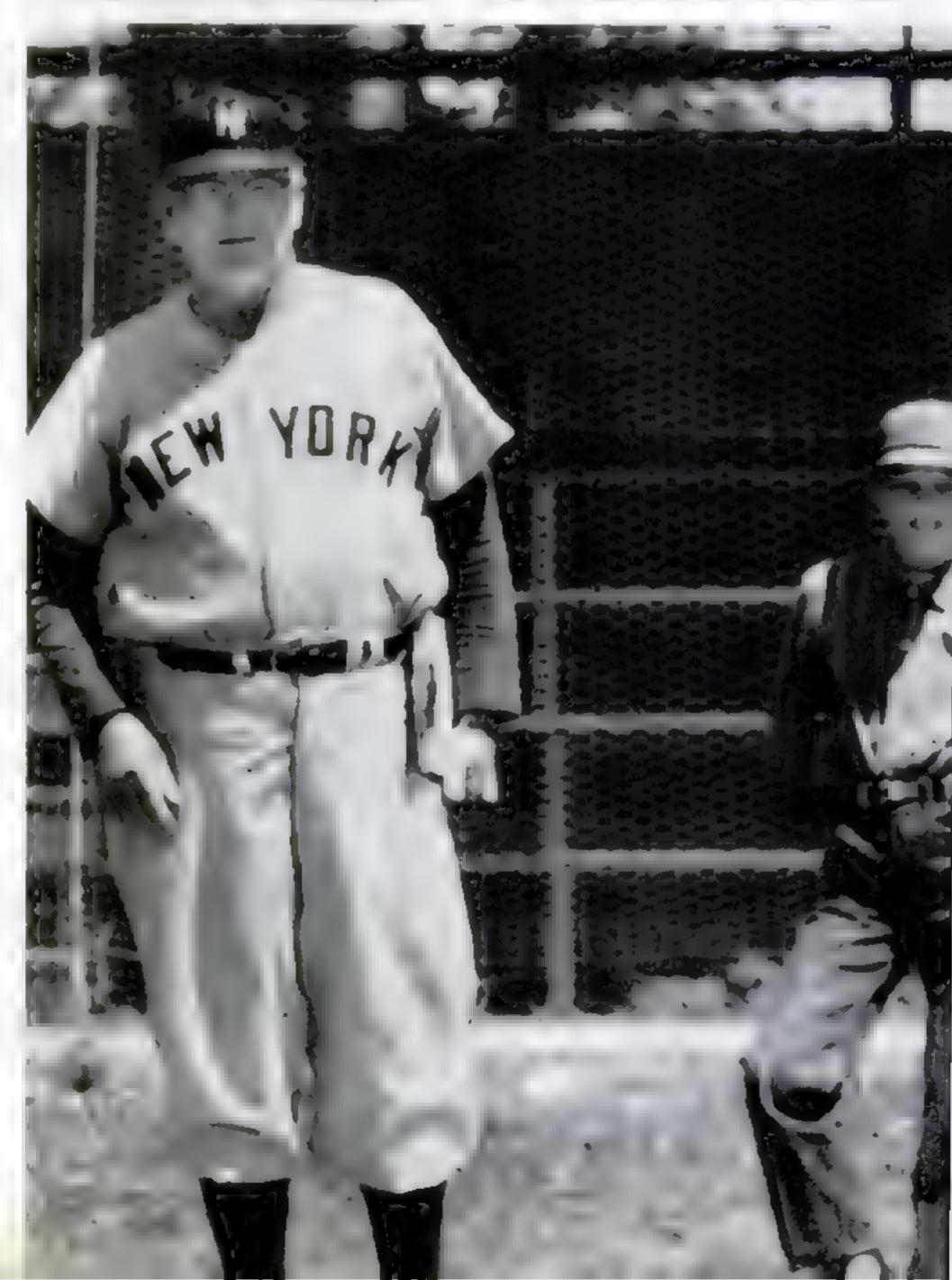
The tropoughness of the Yankee organization is most evident in its search for and tranang. claw a virs l'ir Yankees have estaffed 20 fall the seconds. Other class have bigger staffs at tipic is more of cient or productive Bet ter rad frammost rivals, Yankee scoats pains taxingly only the countryscle for future or g nozahor men S ut Joe McDermott (e.glz). traveret almost 30,000 miles this seas of spent a fall work working with one prospect in an Iowa town (He was with First Baserian Bill) Skowror a most ribitore has a ned mm (What I was it trying to sign a future Yanker. Me-Dermo Cwas running tryouts and instruction climes like the one shown here. McDermott. uses these mass limes for boys of 10 to 15 mostly to spread baseball and Yankee good wil-Backe also keeps notes on these boys he will want to be tack to an a book at again.

Once signed, a rookee moves through the farm system, from Class D Kearney. Veb to AVV Richmond, Va. He is taught Yankoo methods a view Yankees. Eight of the 10 Yankee fainsteam nanagers played for the organization. A Yankee farm hand learns about company levalty and tradition from the very said.



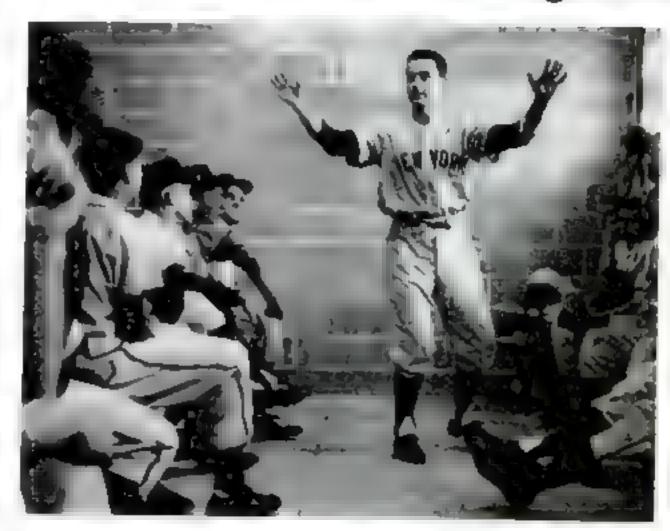
MASS BASEBALL TEST is given be a in Bar pett by McDerwolt with first looks for reining specific

valgorospects. More than 150 se no nove car ellipset of more assumption from the York's society



BATTING LESSON (below) is taken by a determined beginner as McDermott coaches, Ball is put on a ter on strike zone so batter can practice proper swing.

Basic Instruction for Raw Beginners





DOS AND DON'TS FOR ROOKIES are demonstrated by Jerry Comman at Kearney, Seb. Above, he shows way to signal for relay, below wrong way to make tag-



YANKEE HOPEFULS at Kearney listen solemnly to Seout McDer of a Franciscope of your have possibilities. You don't know basebale yet Bid you haven



YOUNG IDOLATER FINGER 1 SECRET SOLD OF THE RESEARCH SECRET

YANKEES CONTINUED

IN FANS AND PLAYERS, THE OLD YANK SPIRIT

Here the transfer of the spirithal in silely ik regarded in the last part of the last extra of in spors. The last extra of the last extra of the spirit of the last extra of t





PRIDEFUL PROSPECT Ed Binder, a pitcher from Diaquesne University, inspects himself in chibbouse mirror as he buttons Yankee shirt. Says Stengel of

Yankee uniform. It is portion it only coal clear test. But is one of many prospects Yankees invited to work out at Stade in during the pass sees to

NEW YORK SCHOOL BOYS HAD BROKEN UP A PLAYGROUND BALL GAME TO RUSH TO SLAUGHTER ONE OF THE YANKEES MOST POPULAR PLAYER-AMBASSADORS



YAPHANK'S HAPPY THINKERS

Scientists in peacetime atomic lab lead lively, informal, productive life

by PAUL O'NEIL

THE social tipplers who gather of nights at Bachmann's Wellington Inn on rural Long Island habitually categorize the staff of nearby Brookhaven Laboratory as the "mad scientists." The words are not spoken deprecatingly, for it is generally agreed along the bar that Brookhaven is "trying to protect us from the Russians." But the term "mad scientist" is used, nevertheless, like damyankee in the South—perhaps because of a vague but persistent feeling that Brookhaven generates "atomic fumes" (against which, it is muttered, the scientists selfishly take government-issue pills) and that the whole place will eventually go up in one grand nuclear explosion.

These misapprehensions are understandable enough. The U.S. public is now much more knowledgeable about both science and scientists than it was a few years ago, but the enormous government-financed super-laboratories, such as Brookhaven, Oak Ridge, Tenn. and Los Alamos, N. Mex., are still mysterious places to most Americans. Even the citizen who is privileged to tour these institutions seldom gets more than a cursory impression of the work which goes on in them and of the people who perform it. Science, meanwhile, goes on reshaping our world and perhaps our fate with breathless speed and has already left most of us living in the past, whether we know it or not.

Nobody is really to blame for this ignorance of a field so importantly concerned with the national welfare, any more than anyone was to blame for America's imperfect knowledge of "Darkest Africa" or Siam or even France a hundred years ago. A superlaboratory must be explored rather than simply visited. To understand it one must live within its gates as in a foreign country, must learn something of its dialects and the attitudes of its inhabitants, and must devote some thought to the spirit with which its people approach their work and the world.

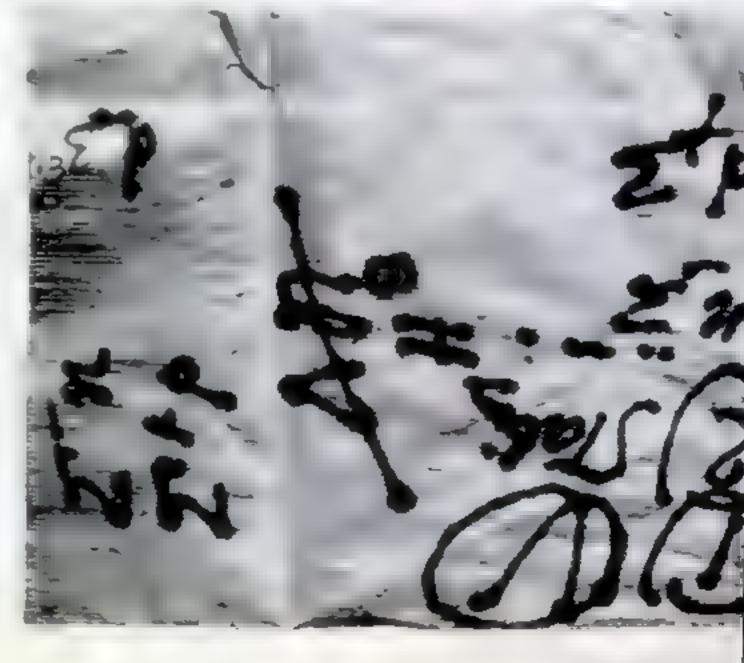
The spirit of science

THIS spiritual aspect of science—in essence a faith, reliance and pride in the power of the human intellect—is nowhere more excitingly reflected than at Brookhaven. Unlike Oak Ridge and Los Alamos, it takes no part in the development of weapons but concerns itself only with "pure" or basic nuclear research. It is not by any means the only place in the U.S. where such work goes on, but it is the biggest, and it is unique both in its scope and its outlay of enormously expensive scientific tools.

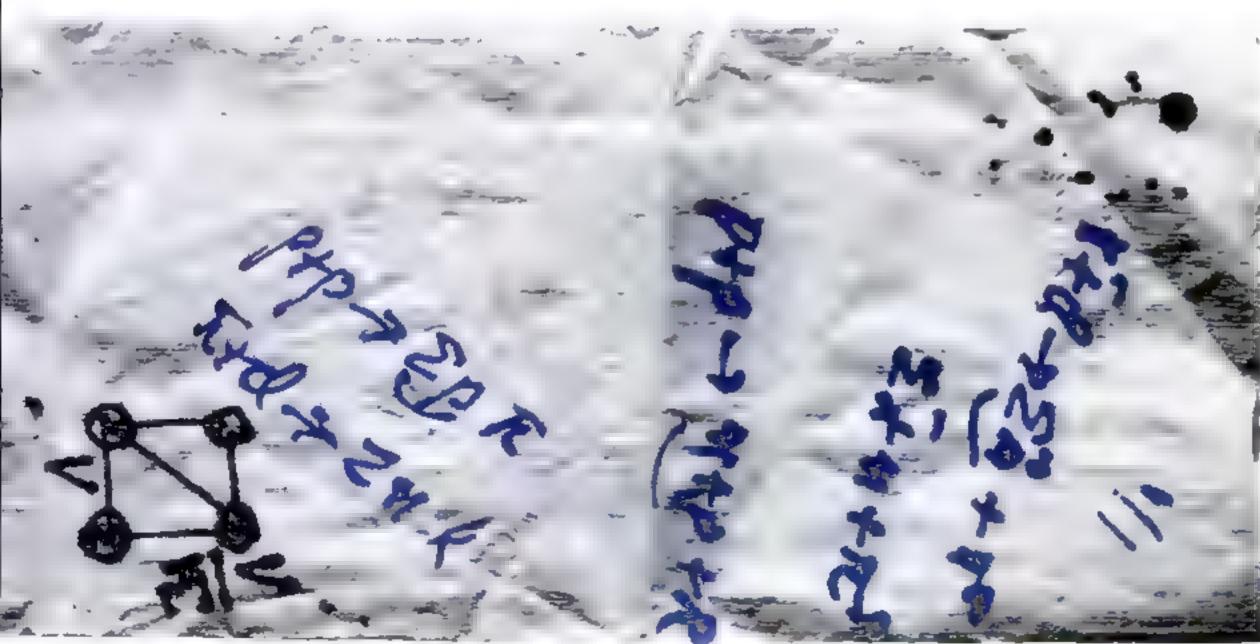
Brookhaven is not so divorced from the everyday world around it as this might suggest. The folks at Bachmann's bar have long since become accustomed to the physical presence of science. A good many of their neighbors work at the laboratory as cops, stenographers, laborers or technicians, and none of these acolytes of nuclear investigation shines in the dark. But the huge stack which towers above Brookhaven's atomic pile still has the power, after 10 years, to arouse misunderstanding or even a faint unease in the breasts of many who look at it.

The stack might well be chosen as a symbol of the nation's general confusion about science and scientists, just as the laboratory from which it rises is a symbol of modern nuclear science itself. The sketchily settled countryside along the eastern end of Long Island is generally level, and the stack can be seen for miles above the fields and treetops. It is a round, 320-foot reinforced concrete chimney painted in bands of red and white. At night red lights along its sides glow in the dark sky. No smoke ever comes from it. It actually does, as rumor has it, exhale an invisible radioactive gas, and the closer the newcomer drives to it, the









HOT DEBATE rages during lunch in lab cafeteria. with part cipants (above) jotting equations on papkins to illustrate their points. Napkin between glasses in center of table is reproduced at the left, Equations show how various subatomic part cles interact. In foreground, back to camera, is Nobel Prize co-winner Tsung-Dao Lee Around table from acft are Theoretieal Physicists Van Hove, Pais, Goldberger, Wack, Beran and Treiman, Said Pais after Junch, "We're like nachines-always in overdrive. It's murder"

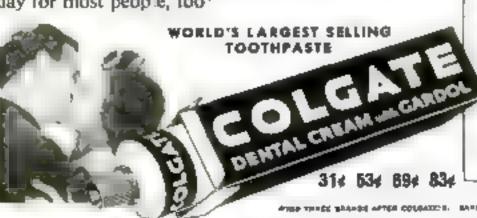


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ATOMIC LAB CONTINUED

more it assumes a blind and ominous mien.

Brookhaven was originally Camp Upton, a World War I infantry training center which was celebrated in song when Private Irving Berlin wrote Oh, How I Hate To Get Up in the Morning for a musical comedy called Yip Yip Yaphank. The laboratory has inherited the Army's 6,235 acres of land near Yaphank village, and to reach it, either from the north or south shores of the island, one winds for miles along blacktopped roads between the pines. Then the woods open into grassy old parade grounds with ranks of buff-colored old wooden barracks. Above them the great chimney towers into full view at last. It stands on a rise of ground with the monolithic yellow brick monument of the reactor building crouching near it. Great metal ducts connect the two structures, and from somewhere between them a low, incessant humming insinuates itself upon the quiet.

Brookhaven's reactor is a big but "old-fashioned" graphite and uranium pile, and it is air cooled. Great fans suck 500 tons of air through it every hour, and it is this process that causes the endless humming heard in the distance. The fans blow the spent and heated air through filters and boost it up and out the stack. All of it but one trace gas, argon (which composes less than 1% of the atmosphere), comes through this ordeal unchanged. One millionth of one millionth of the argon, however, is radioactive when it leaves the chimney. But there is so little of it, it decays so rapidly and it is so quickly dissipated 320 feet above the

HUGE STACK, airplane warning lights glowing during the night, worries Brookhaven's neighbors.

ground that the island's average level of radioactivity is unchanged. Still, it is difficult to explain this to a potato farmer whose crop is doing badly and who damned well knows why.

Brookhaven itself takes some explaining, too, for many of its attitudes run counter to those of the eminently practical society which sustains it. The big reactor, built at a cost of \$17 million, generates no power and makes no material for weapons and never will, it simply makes neutrons, billions and billions of neutrons, for research. Brookhaven's five "atom smashers," including one currently being built at a cost of \$28 million, are machines with only one function: the pursuit of knowledge.

Brookhaven is a big place. It has 150 buildings, including a 750-seat theater, apartment buildings and ranks of warehouses. It has a 47-man police force and a 29-man fire department, it has 40 miles of paved streets and roads, all named for scientists and scientific institutions. It buys \$600,000 worth of electricity a year. It has gardens and greenhouses and softball diamonds and an indoor pigpen. But Brookhaven's budget of \$18.5 million a year is dedicated, in essence, to the solution of two questions: What is matter? What is life?

What sort of people do this kind of work? Are they all board members of Longhair, Egghead, Oddball & Smith, and if so, how did they get that way and what do they do for kicks? If not, why aren't they in advertising? These questions can be jostled into clearer perspective by noting that a place like Brookhaven, while esoteric in concept, is not very esoteric in operation. There are 375 scientists and engineers on the staff and a comparable number of part-time visitors from other institutions. Their interests encompass chemistry, biology, engineering and medicine, as well as physics. They also encompass banjo playing, amateur dramatics and the collection of owl pellets. There are 1,400 other employes who toil on the periphery but serve the cause of pure research too. What do all these people do?

One of them takes care of mice and goldfish. Joe Kenny is a chunky, balding, open-faced fellow, who was parts manager of a Ford agency in New Rochelle, N.Y. for years before he moved to Long Island and got a job at the laboratory. All sorts of animals, occasionally including pigs, are necessary in Brookhaven's research, and among them the laboratory maintains 2,000 white rats and 8,000 white mice. Both species of rodent are kept in shiny, latticed, stainless steel cages about as big as shoe boxes. There are rooms and rooms with shelves on shelves of these bright, rectangular parallelepipeds, each with a glass bottle of sterile water thrust through its top, and in each warm room one is surrounded by thousands of beady little pink eyes and thousands of snuffling little pink noses and thousands of twitching white whiskers.



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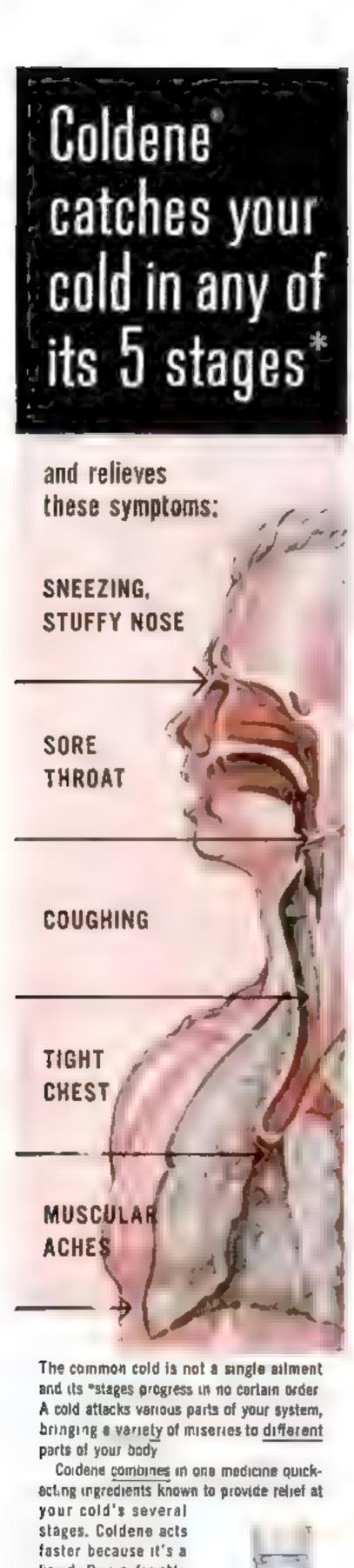
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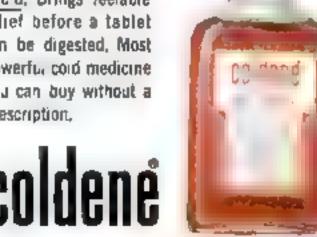
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ATOMIC LAB CONTINUED

It is an odd experience, but Joe Kenny says he is used to it and, in fact, has come to regard his mice, even those swollen with artificially induced tumors, about as he once regarded automobile seat covers and piston rings.

There are also unusual duties for Brookhaven's pure scientists. Dr. Robert Conard, a handsome dark-haired man of 45 who speaks with a Carolina accent, is engaged in studying radiation effects on humans. Once a year he flies 7,400 miles from Brookhaven to the Marshall Islands and checks the physical condition of the natives who were caught by fallout from the Bikini H-bomb explosion of 1954. When his work is done, his charges give a farewell feast and dance in his honor. At the conclusion of this social event, now becoming understandably famous in the South Seas, Dr. Conard rises and does a dance himself.

Most Brookhaven scientists, however, stay close to home where, by the simple fact of the laboratory's location, they have all become exurbanites. New York is two hours (or one-and-a-half hours and a speeding ticket) away down the Northern State Parkway, and almost all the staff lives in salty old shore towns like Patchogue, Port Jefferson or Bellport where "car pools and cess pools" are dominant factors in living. A great many of them have become sailors, hi-fi addicts or foreign car drivers, but these excursions into hobbies tend to be sporadic. The staff finds science itself too hypnotically interesting to be abandoned for long.

Though the advent of nuclear weapons and earth satellites has convinced the U.S. that science must be nurtured, many Americans cannot understand just why a man will "unselfishly" devote his life to anything as impractical and nebulous as pure research. But Brookhaven's pure scientists derive an almost shameless satisfaction from their work. None of Brookhaven's people seem to lead more rewarding -and preoccupied-lives than those most esoteric of the physicists who are known as "particle" or "high energy" men.

Like most scientists the particle men are not unselfish at all. They tend to be rather vain fellows. They are not only terribly smart, and know it, but they conceive themselves to be the explorers, scouts, fur trappers and mountain men on the far frontiers of science. They wage a hideously difficult and wildly stimulating struggle in what is perhaps the most exciting field of modern scientific research.

The great pebble mystery

TILL 60 years ago scientists assumed that atoms were the smallest subdivisions of matter, invisible but reassuringly solid little pebbles which comprised the various elements. But the pebblelike atom, it developed, was not a pebble at all. It consisted of electrons arranged around a heavy, pebblelike nucleus. The nucleus, it gradually became clear, was not a pebble either but a collection of two different particles, protons and neutrons, held together by the enormous and mysterious forces which were finally released in nuclear fission. In the last few years it has become evident that protons and neutrons may not be the basic components of matter, either, but can be shattered into fragments (or, more accurately, transformed into new, short-lived forms of subatomic matter). These are called, for lack of a better name, "strange particles." Thus: particle physics. Today there are only three places in the world capable of advanced investigation of strange particles: Brookhaven, the University of California and Russia's High Energy Laboratory outside Moscow.

These are the sites of the world's great "atom smashers," more accurately and simply known to the trade as "accelerators." An accelerator is as uncomplicated in essential concept as a 22 rifle. It fires protons at other protons and neutrons (or, in some cases, electrons at other electrons) in the hope that the collision will produce something from either. But awesome technological and engineering feats are required to accomplish and record these subatomic smashups. Brookhaven's new 25-billion electron-volt "Afternating Gradient Synchrotron," which will be finished in 1960, is a half mile in circumference. It is buried underground in a great circular concrete subway which opens at one point into a lofty Target Building packed with blocks of concrete shielding as big as coal gondolas. If it did not have a cunning mechanism for storing energy between shots, this gargantuan piece of artillery would be virtually unusable, for lights on Long Island would dim every five seconds while it was operating.

Working with one of these great machines is an enthralling and potentially dangerous business. An accelerator takes the simplest of ammunition, a whiff of hydrogen. A hydrogen atom consists of just one proton and just one electron, and the electrons can easily be shucked away, leaving the residual protons to be packaged by magnetic forces into something roughly like a charge of bird shot. This load is fired into the machine and accelerated until it is traveling almost as fast as light. Nothing can exceed this absolute speed (186,000)

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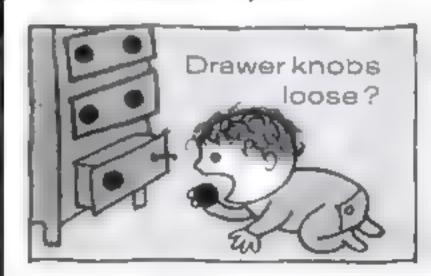
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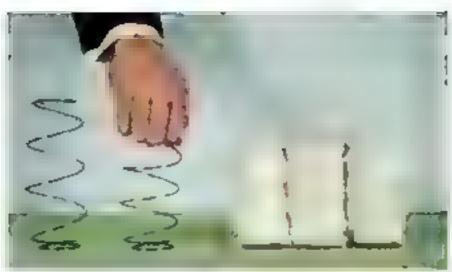
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GOING OVER AN EXPERIMENT just made at the reactor, chemists Lester Corliss and Julius Hastings seek clues to magnetic behavior of atoms.

ATOMIC LAB CONTINUED

miles a second) but the accelerator, in trying to make the protons go as fast as light, actually makes them grow heavier (a phenomenon which is explained, if anyone is wildly interested, by Albert Einstein's Theory of Relativity). When they hit things, even at no more than 185,888 miles a second, all invisible hell breaks loose

The target in most present accelerator experiments is a tankful of liquid hydrogen, often a contrivance called a Bubble Chamber. The Bubble Chamber is a doubte duty device, for by liquefying hydrogen one can mass the greatest number of proton victims in front of the cannon's mouth and also provide a method of recording what happens to them. When a high-speed, antisocial proton from the accelerator goes tearing through the stuff, it leaves a visible and photographable trail, much like the contrails which high and invisible jet bombers leave in the sky. If it hits one of the target protons, the strange subatomic children of this violent union also leave trails as they go whanging off through the surrounding atomic structure

In some ways, however, all this equipment simply adds to the difficulties and perplexities of the particle experimentalists. Liquid hydrogen, while useful, is nasty stuff to handle. For one thing it is very cold—below -422.8°F.—and anyone who wants to stick his hand into it can instantly break his fingers into tinkling little fragments by tapping them against the wall. It also blows up if exposed to a spark. Making a proton hit another proton isn't as simple as it sounds, either. It is about as hard as throwing a speek of pepper into the air and

hitting it with a grain of salt. Still, there is such pressure for particle experimentation at Brookhaven that an older and smaller accelerator, the Cosmotron, is operated continuously, day and night, as the new Synchrotron will be when it is completed. Experimentalists from eastern universities bring their complex equipment to the site in big tractor-trailer trucks and wait their turn to back in for an eight-hour, or 24-hour, or 36-hour stretch. Almost as much emotional tension is involved in setting up this gear as in the count-down for a rocket shoot. The radioactive area through which the Cosmotron beam passes is fenced off for safety, but the laboratory has had to remove every ladder from the building to keep eager scientists from sneaking over and trying to make belated adjustments while the machine is running. "I see a crowd of them every morning when I come to work," says Cosmotron Director George Collins. "They've been up all night and their eyes are bloodshot and they all need a shave, but you can always tell

what sort of results they've got just by the way they act."

These innumerable particle experiments have, thus far, tended to intensify rather than to solve the mystery of matter. Even so big and mundane an article as a common old proton is still a pretty mysterious object, but the exotic new particles—the hyperons, heavy mesons and light mesons—are much more baffling, if only because the most durable of them lasts for only a millionth of a second.

Enter the particle theorists. At Brookhaven they sit in small offices in the ender-block physics building, ignoring the enormous machines which loom around them and the cluttered labs and the thousand

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DRAWING IN SAND, Physical Chemist Maurice Perlman describes layout of France's nuclear Orsay Laboratories to rapt colleagues at the beach.

ATOMIC LAB CONTINUED

channel analyzers and all the rest of the electronic wonders which modern science has wrought. They just scribble away on pads of yellow foolscap. As a rule they wear sport shirts and slacks to work and band clannishly together at lunch in the big, frame cafeteria. Between times they read, drink coffee brewed on hot plates, and talk to each other with a restless and sardonic hopefulness reminiscent of the detectives' room at a station house.

Science, it is said, is built on facts, but facts are no more science than a pile of bricks is a house. The theorist must try to build the facts into something with shape and form. It is his function to regard the discoveries of the experimentalists as a body of evidence, to speculate on its meaning, seek some logic from it and, if he has great good fortune, to reduce some awful mass of conflicting information into one simple law or equation. In his grand dreams he may even produce a postulate as magnificent as Theorist Einstein's terse notation: " $E = mc^2$."

Theorists usually work in pairs, and although these unions of the intellect are generally temporary affairs rather than real marriages, some physicists become as dependent upon permanent collaboration as were Gilbert and Sullivan. This process of shacking up intellectually stems, in part, from the necessity for sharing information. But teaming up serves another purpose: men looking out across seas of imponderables such as surround theoretical physicists soon begin to feel like castaways on a desert island, and for most of them conversation with another human being, or rather the stimulation of argument with someone who shares their aspirations, becomes a necessity.

Every office at Brookhaven has a blackboard equipped with both white and colored chalk, and as theorists talk they scribble and erase and leap up to scribble again. This mathematical doodling is so necessary to conversation that if no blackboard is available they jot their hieroglyphics on anything at hand—the margins of newspapers, cocktail napkins, tablecloths and old bills. One pair, while attending a beach party, decorated the sand with mathematical symbols while creeping along on hands and knees, engaged in passionate debate.

In seeking to understand the secrets of the atomic nucleus, the theorist needs a rare talent for abstract thought, a kind of cardsharp's concentration and, more important still, an indefinable sort of artistic perception. Atoms cannot be visualized but only described, in terms of performance, with the language of mathematics. In the use of this hard-won vocabulary the theorists are essentially blood brothers of the composer, the sculptor and the poet, for their concepts of nuclear form and nuclear behavior must be created as the artist creates before his canvas or the writer at his desk.

Theorists, in fact, look and act and talk more like playwrights than "scientists." They suffer the same lamentable lapses when the mind seems to have run dry, have the same hopeful reliance on the subconscious and know the same heady excitement when their current concept seems to be succeeding.

This year's Nobel Prize winners, Theorists Tsung Dao Lee and Chen Ning ("Frank") Yang, spend periods in the summers at Brookhaven (where their colleagues are not above gathering outside their



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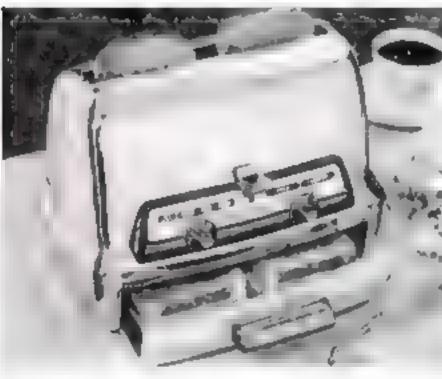
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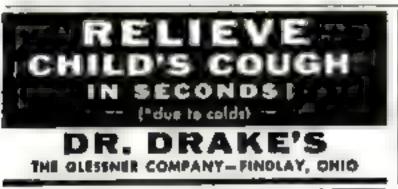
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ATOMIC LAB CONTINUED

office door to listen to them shout at each other in Mandarin Chinese). When they walk into the laboratory's cafeteria, they produce a stir comparable to that which Rodgers and Hammerstein produce at Sardi's. Perhaps it would be more accurate to say that their fellow physicists react as the boys at Stillman's Gym do when Carmen Basilio walks in. It took daring as well as a quality of genius to produce their "simple and elegant" challenge to the Principle of Parity (which, in effect, rejects the idea that a "right-handed" subatomic particle will necessarily behave exactly like its "left-handed" mirror image). They arrived at their prizewinning hypothesis only by discarding one long-accepted concept of physics after another. Lee, a tiny, smooth-faced, handsome man, recalls feeling "very warm, very emotional" when their theory blossomed after three years of toil. "People think this is a cold sort of work," he says, "but it is emotional work, I experience moments of great beauty."

Like racing drivers and securities analysts, theorists come in all shapes and sizes. Most of them, however, are startlingly young. Lee is only 31, Yang only 35, and some at Brookhaven, like tall, darkhaired Gary Feinberg, are in their early 20s. Theoretical physicists who have not done something "big" before they are 30 are not expected to amount to much. It is a calling for young and daring minds.

Like this new breed of scientist, Brookhaven itself is young and daring in concept. World War II shifted science's center of gravity from Europe to the U.S. Scientists were not completely delighted, after the war, to find out they were considered a new breed of muni-

tions makers. But there was no denying that "Bang!" was a word which commanded respect, and they utilized it. The war was hardly over before a notable group of them called on General Leslie R. Groves of the Manhattan Project, seized him, in effect, by the lapels, and told him that the time had come to set up the sort of nuclear superlaboratory they wanted in contrast to the big warborn superlaboratories which the military wanted.

No single university, they reasoned, would ever again be able to afford the tools the U.S. would need for pure research. Neither could the U.S. any longer afford to go without a big program of basic scientific exploration. It was up to the government to 1) put up the millions needed and 2) get out of the way



a physics professor at University of Illinois, worked on radar in World War II.

and leave the scientists alone. The government complied without a murmur. The result was Brookhaven, which is financed by the Atomic Energy Commission but operated by an association of nine north-eastern universities—Harvard, Princeton, Columbia, Yale, M.J.T., Rochester, Cornell, Johns Hopkins and the University of Pennsylvania—headed by Scientific Administrator Lloyd Berkner.

There is nothing in the world quite like it. It is at once a sort of university and a vast scientific toolshed and workshop at which scientists are encouraged to gather, work and exchange ideas. In a physical sense it is akin to a big industrial establishment. But its director, Dr. Leland Haworth, has the kind of administrative problems that would make an industrialist's blood run cold. Brookhaven was founded on the thesis that research cannot blossom without complete intellectual freedom. Its scientists receive no orders. They are given a salary, such funds and tools as are necessary for their work and, within the broad limits of Brookhaven's concepts, are told simply to do what they want. The result is a new and heady atmosphere. Unlike most universities, Brookhaven is a place where the scientific disciplines tend to merge. In its nuclear research, physicists find themselves involved in medicine, while biologists and chemists often engage in what must, strictly speaking, be considered physics.

The atmosphere is not completely the product of scientific pursuits. Brookhaven is a center not only of research but of romance. Its young male scientists and young female technicians and secretaries fail in love and get married with regularity. Its dormitories (for the unmarried) and rows of one-story apartments are great places for parties. The young scientists tend to drink beer rather than martinis, but they are not above howling at the moon on occasion. One of the chores of the laboratory police force is keeping them muted on Saturday night.

The Brookhaven cops themselves are part of the Brookhaven atmosphere. They have only the most minimal of security duties since almost all the laboratory's research is now completely unclassified, but they must occasionally perform unusual work. On their nightly rounds they are charged with inspecting experimental machinery

CONTINUED







ATOMIC COMBO, Fearsome Foursome Plus One, plays at outing-minus a member. Leader is physicist and accordionist William Higinbotham.

ATOMIC LAB CONTINUED

(some of which flashes lights in the police station if it breaks down) and telephoning the scientist in charge if something seems wrong. As a result a sign appeared in one laboratory bearing the following legend: "This Experiment is Supposed to Gurgle and Squeak! Please Do Not Call Me Again! I Need Sleep!"

The cops must cope as gently as possible, too, with hot-eyed travelers who arrive at the roadside entrance booths with plans for flying to the moon in home-designed space ships or with news just received by telepathy from Russia. And there are also deer. Hundreds of them live on the laboratory reservation and browse on its lawns, and in the winter packs of dogs-gone-wild hunt them ferociously. On the day before Christmas last year a fugitive deer jumped through the glass front door of the Biology Building with a crash, took one look at the receptionist in the lobby, jumped right out again and sped away with two dogs in hot pursuit. Posses occasionally try to lasso or shoot the canine offenders, but the dogs generally outwit them.

The most important policing at Brookhaven, however, has to do with radioactivity, and it is performed by an organization known as the Health Physics Division. The health physics men are specialists who have been rigorously trained to anticipate and prevent danger from radiation. Although most of them do not hold science degrees, their word is law.

Nuclear reactors are now becoming so common that small ones can be ordered from manufacturer's catalogues, although they cannot be operated without permission of the Atomic Energy Commission. All of them, nevertheless, are hives of deadly rays, particles and poisons. At Brookhaven there are hand-cranked Klaxon warning horns along the hallways of all buildings. The ceitings of "hot labs" and surrounding halls are studded with shower fixtures so that anyone accidentally contaminated by radioactive substances can leap under, pull a chain and instantly be sprayed with water. The laboratory has a big central steam whistle to be blown in case of "disaster." No disaster has ever occurred and, in fact, nobody has ever suffered even minor physical damage from radiation. But the health physicists maintain incessant vigilance.

A good deal of the work done by the reactor's crew of husky workmen (members of the Oil, Chemical and Atomic Workers International Union, A.F.L.-C.I.O., Local 14-652) is either agonizingly slow or agonizingly dull. They struggle endlessly against contamination of working areas by radioactive dust, and no battleship's decks were ever washed and scrubbed as constantly as the walls and floors and fixtures of the reactor building. The water used for this washing must be carefully saved, carted away and finally boiled down to a radioactive sludge. The sludge is mixed into fresh concrete, the concrete is poured into old oil drums, and the oil drums, when the concrete has hardened, are taken beyond the Atlantic coastal shelf on a naval vessel and dumped overboard.

Although Brookhaven's machines are awesome monsters, the scientists treat them with great arrogance. The laboratory's expensive and fantastically complex mechanisms are simply servants of the intellect. In really discussing Brookhaven one must discuss the people who cope with machines rather than the machines themselves. There



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ATOMIC LAB CONTINUED

is, for example, a physicist named William Higinbotham, who designs and supervises the fabrication of intricate electronic "circuits." He can make the head swim as he explains something like a Pulse Height Analyzer, but as its creator and master he can also make it seem oddly like a pet dog. Higinbotham is a small man who likes to say, "I'm head and shoulders below the crowd," and who, in his spare time, leads a dance band known as the Fearsome Foursome Plus One.

There is also a bluff and burly nuclear engineer named Clarke Williams, who for seven years has been building and testing experimental parts for a new kind of reactor, known as the LMFR, to replace coal in electric power plants. He and his gang dissolve Uranium 235 in molten bismuth and pump this fissioning metallic soup through great loops of pipe as casually as though it were bath water.

One of the legendary heroes of Brookhaven is a man who is remembered for keeping a garden from defeating the gardeners. The scene of his triumph is a stoutly fenced, heavily planted, 10-acre plot known as the Gamma Field because a 10-foot pipe standing in the middle of it contains a "source" of radioactive cobalt. Gamma rays from the cobalt irradiate the plants around it and cause all sorts of odd mutations. (Brookhaven is one of the few places in the world where people give cancer to tobacco.) Before any human can enter this garden, the radioactive cobalt must be lowered into the ground by means of a long wire cable which runs under the plot and up and over the lip of the pipe. But one day the cable stuck and the source refused to budge. The problem defeated the best minds at the laboratory until a machinist named Edward Nicholson, a man who was also an expert marksman, offered to shoot the offending cable in two.

This seemed to be the only possible solution, but it suggested the possibility of an even more hideous dilemma. If a high-powered bullet hit the pipe itself and sprayed hot cobalt over the ground, the area would be contaminated forevermore. The health physicists made Nicholson's task even more difficult. They ordered him to stay at least 100 feet from his target and allowed him no more than one minute of radiation. He nodded, ran full tilt to his firing position, dropped to one knee and squeezed off a shot. He missed. He squeezed off another. The cable parted as neatly as taffy snipped with scissors.

The mysteries of man

AN not only explores and harnesses nature at Brookhaven; he also explores the mysteries inherent in man himself. No man can live for an hour—in fact, he cannot take off a pair of gloves or punch a typewriter key—without wearing away part of his body. How does he replace these abraded tissues? What sort of process is human metabolism? What makes man grow old? What, indeed, is human life? Brookhaven's medical men, even with the wonderful new tools provided by nuclear physics, can only grope for the answers, but they have widened human horizons a bit nevertheless.

They are not only scientific researchers but physicians, too. They attempt to discover in nuclear medicine specific cures for specific ailments. As healers their most dramatic struggle has been an attempt to conquer cancer of the brain with a technique called "neutron capture." If the element boron is injected into the body it will travel to malignant cells in the brain and will collect there—for a few minutes at any rate—without entering healthy cells nearby. And boron soaks up or captures neutrons which would just float through other materials, such as, say, human tissue.

By shielding all of a brain cancer victim's body but his shaven head, and pushing him over an opening in the top of the reactor, and bringing the great pile to full power faster than its designers thought possible, Brookhaven's medical men can flood the patient's cranium with billions of neutrons. Each one which enters a boron atom causes it to disintegrate into one lithium atom and one helium atom. This tiny explosion is just big enough to destroy one cancer cell. If enough explosions can be caused in a short space of time it is thus theoretically possible to wipe out all the malignant cells and leave the healthy part of the brain undamaged.

Twenty-nine patients have been treated at Brookhaven, and there is a good deal of evidence that their condition was improved by this dramatic therapy. But though the process has been refined immeasurably in the years during which Brookhaven's medical research director, Dr. Lee Farr, and his associates have been working with it, "neutron capture" may take another 10 years of development.

This bright and hopeful concept for treating brain cancer has not been advanced without dark human drama. No patient has yet been treated who was not already literally face to face with death. "We could not possibly accept anyone at this stage," says Dr. Farr, "who had not exhausted all presently available avenues of care." And only after the patient's death has the proof of hope appeared. "It is important to investigate these brains as soon as possible after treat-

CONTINUED



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ATOMIC LAB CONTINUED

ment—21 of them are now being dissected, literally cell by cell—and we have never had to wait long after treatment to begin an autopsy."

The battleground of science is commonly thought to be the future, as indeed it often is. But at Brookhaven all pure knowledge is of infinite value, and its scientists regard the past with the same enthusiasm as they regard the future. The lab's chemists, in particular, seem entranced with the possibilities of dating things through the use of radioactive isotopes. Radioactive atoms decay into atoms of other elements at certain specific rates, and if one is able to compare the number which have changed with the number which have not, it is quite possible to tell how long the process has been going on.

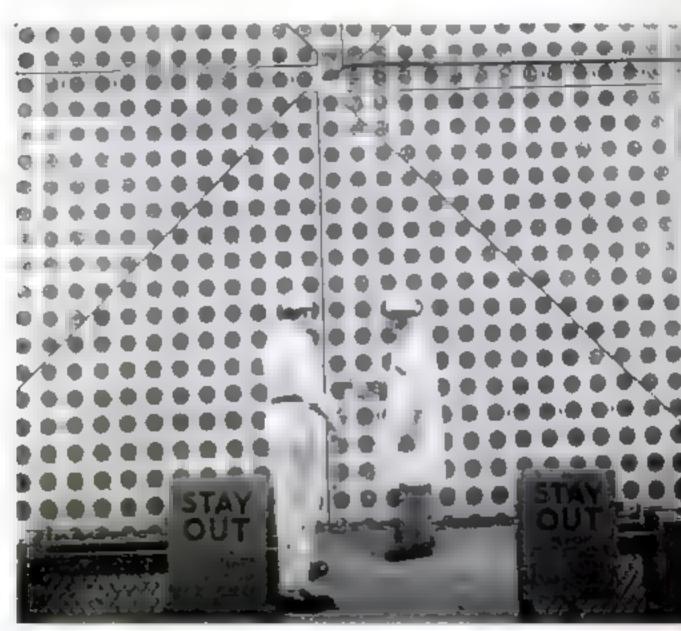
Chemist Oliver Schaeffer, for instance, is trying to get someone to find him a certain kind of chlorine-bearing rock from the top of a Montana butte, where it should have been subject to cosmic rays since the Illinoian Period. He believes it will enable him to discover the time lag between the Illinoian and first Wisconsin glaciers and thus give him some idea of when the polar ice cap might be expected to cover Detroit the next time.

Chemist Ed Sayre, a small, dark-haired and soft-spoken man-who laid laboratory audiences in the aisles recently when he played Teddy Roosevelt in the Brookhaven Players' production of Arsenic and Old Lace-puts samples of ancient glass into the nuclear reactor to make them radioactive, then uses a "hundred-channel analyzer" to find out what they are made of. Since the constituents of ancient glasses vary, he can thus tell where they were made without grinding them up for ordinary chemical analysis. He has hopes of running a test on an ancient vessel which the citizenry of Genoa, Italy fondly believes to be the Holy Grail.

Chemist Raymond ("Dutch") Stoenner, a lean and lively fellow with a butch harrout, has set the Brookhaven record for turning back time. A few years ago Dutch and a visiting German physicist named Joseph Zühringer began fiddling around in a radioactive way with iron-nickel meteorites. A meteorite, they reasoned, was a celestial body which had solidified when all the other solid pieces of the universe did so and which had been roaming outer space in a wonderful state of preservation most of the time since. Why not try to discover its age and, in doing so, date the celestral cosmos itself?

In the beginning they were mostly interested in the dating method, which was based on the fact that, over the cons, a few potassium atoms in their meteorite would have decayed into a few argon atoms. But two years ago they began getting answers so dramatic that they were reluctant to believe them. Stoenner has been feverishly checking and rechecking ever since but has finally concluded that the process and its results are completely sound. Stoenner and Zähringer have not thrown their hats in the air and cried "Hurrah!" but they are, nevertheless, pleased and excited men. They are now able to say that our solar system, which was thought by astronomers to be only 7.5 billion years old, has actually been around for 10 billion years or more.

Such a discovery may seem of little note. But to men like those at Brookhaven, to whom all knowledge is gold, it is the sort of once-inn-lifetime news that scientists dream of, almost as the old prospectors dreamed of the Big Bonanza



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FOR CONNIE: CHICAGO TOAST

Backed by three leading men, Tom Tyrrell, Kendall Clark, Dongas Watson, Constance Bennett is toasted in champingne at Chicago party. Scated at right is her bushand, Colonel John Coulter. Miss Bennett has played Manie on the road since October.

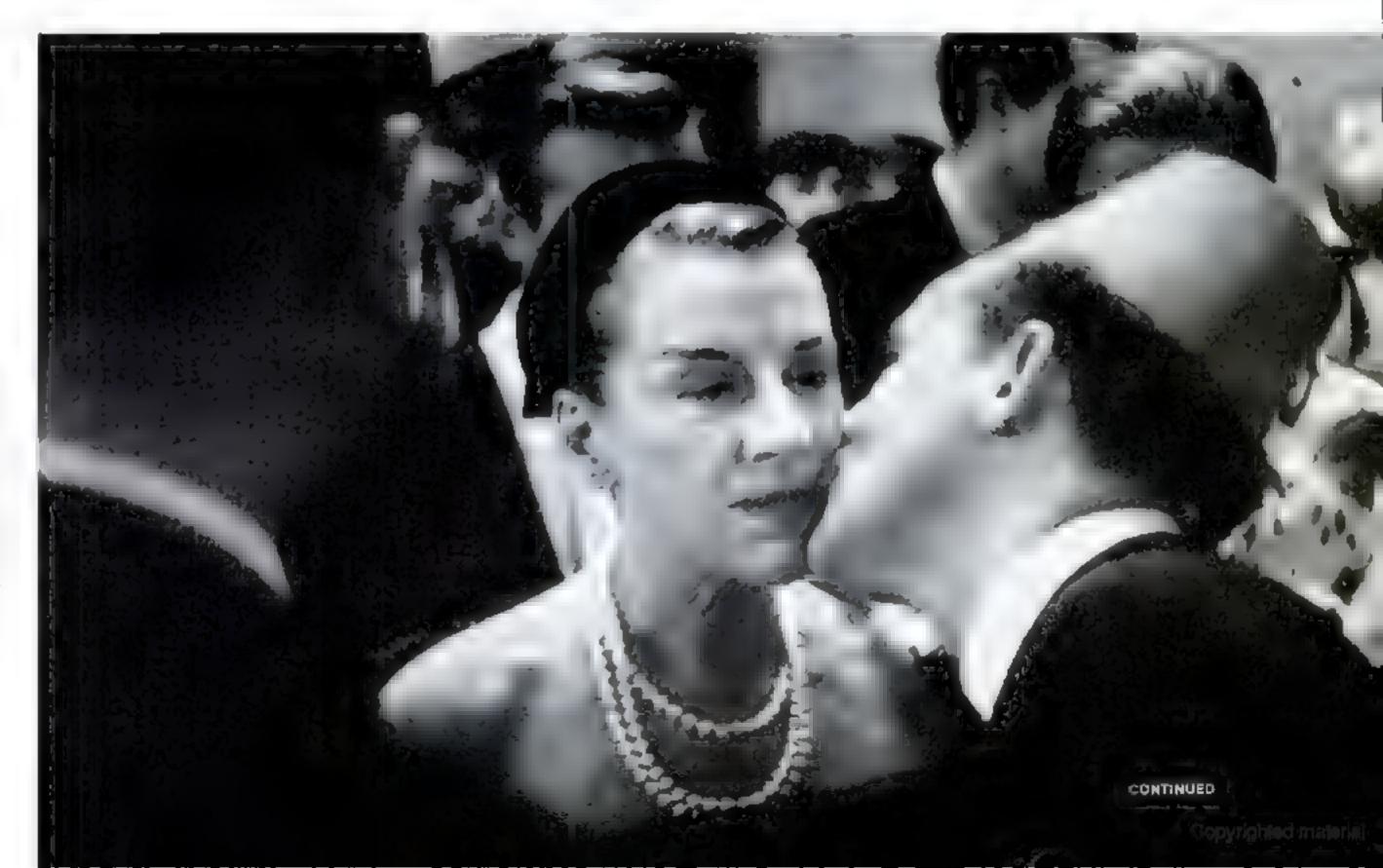
Parties for Pair of Auntie Mames

Separated by 1,171 miles of land and sea water, two opening-night parties were thrown this month for the same sturdy girl.—Auntie Mame. At one, in Chicago, where a U.S. road company of the famous Broadway hit opened, the host was Justin Sturm, coproducer, and the guest of honor was Constance Bennett, one in a long line of Auntie Mames that includes Rosalind Russell, the original, Sylvia Sidney and Greer Garson. Held at Jacques Restaurant, the party was an enjoyable but decorous affair.

The party in London was far livelier, even though the unfriendly reviews east an early pall, later dispelled, on the proceedings (despite the enties, the show has caught on with the public). The host was Producer David Pelham, the locale was a rococo Turkish bath at the Imperial Hotel and the guest of honor was Beatrice Lillie, England's entry in the Mame derby. It would up, as predicted, with at least two of the guests (next page) taking advantage of the establishment's "cold plunge"

FOR BEA: LONDON KISS

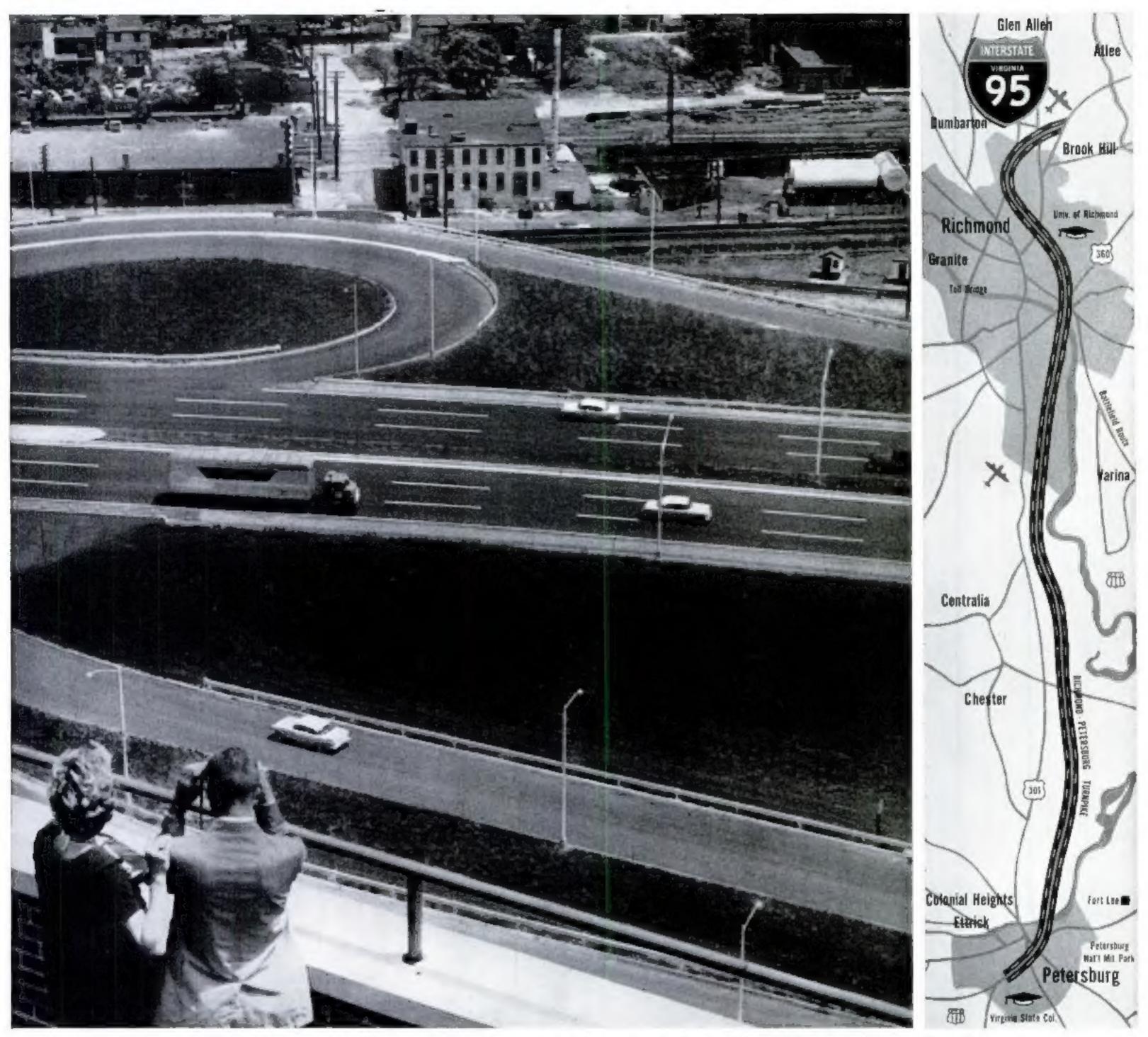
Greeted by host and producer. David Pelliam. Bea Lillie shows up at London party. Among 350 guests, many of whom wore paper fezzes, were a few dukes and duchesses. Miss Lillie arrived exhausted by the gymnastics of the role but stayed on for two hours.





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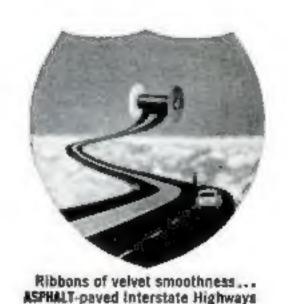
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attention with its long blond tail. As Photographer Warren Siegmond strolled by, so did a pretty blonde named Paulette Tanulet. As she stopped to marvel at the animals, Siegmond stopped to marvel at the perfect match made by horsetail and ponytail—and to catch the coincidence with his camera.

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